

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	2245	99.4	422	14	US-10-032-189-64		Sequence 64, Appl
2	2245	99.4	422	14	US-10-332-123-3		Sequence 3, Appl
3	2245	99.4	423	10	US-09-796-753-146		Sequence 146, App
4	2245	99.4	423	10	US-09-946-374-269		Sequence 269, App
5	2245	99.4	423	12	US-10-206-915-320		Sequence 320, App
6	2245	99.4	423	12	US-10-199-670-320		Sequence 320, App
7	2245	99.4	423	12	US-10-201-858-320		Sequence 320, App
8	2245	99.4	423	12	US-10-205-890-320		Sequence 320, App
9	2245	99.4	423	12	US-10-208-024-320		Sequence 320, App
10	2245	99.4	423	12	US-10-063-753-106		Sequence 106, App
11	2245	99.4	423	12	US-10-063-513-106		Sequence 106, App
12	2245	99.4	423	12	US-10-063-513-106		Sequence 106, App
13	2245	99.4	423	12	US-10-063-513-106		Sequence 106, App
14	2245	99.4	423	12	US-10-063-515-106		Sequence 106, App
15	2245	99.4	423	12	US-10-063-549-106		Sequence 106, App

; FILE REFERENCE: Li0112 Foreign countries
; CURRENT APPLICATION NUMBER: US/10/332,122
; CURRENT FILING DATE: 2003-01-06
; PRIOR APPLICATION NUMBER: 60/218,832
; PRIOR FILING DATE: 2000-07-18
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 422
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-332-122-3

Query Match 99.4%; Score 2245; DB 14; Length 422;
Best Local Similarity 99.3%; Pred. No. 1.7e-217;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MYRPDVVRARKVCEPWPWIGLVMTFSLIVLAVICIGTVVHYRYNOKKTYNYSTLSFTT 60
DB 1 MYRPDVVRARKVCEPWPWIGLVMTFSLIVLAVICIGTVVHYRYNOKKTYNYSTLSFTT 60
QY 61 DKLYAEFGREASNNFTMSQRLESVMKNFYKSPLEEFVKSPQVVKFSQKHGVLAMLL 120
DB 61 DKLYAEFGREASNNFTMSQRLESVMKNFYKSPLEEFVKSPQVVKFSQKHGVLAMLL 120
QY 121 ICRFHSTEDPETVDKIVQLVLEHEKLDQAVGPKVPDPSVKIKKINKTETDSYLNHCCGTR 180
DB 121 ICRFHSTEDPETVDKIVQLVLEHEKLDQAVGPKVPDPSVKIKKINKTETDSYLNHCCGTR 180
QY 181 RSKTLGQSRLIVGGTEVEGEPWQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240
DB 181 RSKTLGQSRLIVGGTEVEGEPWQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 300
DB 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 300
QY 301 SYEFQPGDVMFTGKALKNQDYSQNHRLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 360
DB 301 SYEFQPGDVMFTGKALKNQDYSQNHRLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 360
QY 361 LEGKTDACQSGGGLVSSDARDIWLAGIYSSGDECAKPNKPGVYTVTRVLTALRDWITSKT 420
DB 361 LEGKTDACQSGGGLVSSDARDIWLAGIYSSGDECAKPNKPGVYTVTRVLTALRDWITSKT 420
QY 421 GI 422
DB 421 GI 422

RESULT 3
US-09-796-753-146
; Sequence 146, Application US/09/796753
; Publication No. US20030027998A1
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean A.
; TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
; FILE REFERENCE: 7853-227-999
; CURRENT APPLICATION NUMBER: US/09/796,753
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 09/183,175
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 09/223,094
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/223,546
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/224,246
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/259,388
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/122,458
; PRIOR FILING DATE: 1999-03-01
; PRIOR APPLICATION NUMBER: 09/312,359

Query Match 99.4%; Score 2245; DB 14; Length 422;
Best Local Similarity 99.3%; Pred. No. 1.7e-217;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MYRPDVVRARKVCEPWPWIGLVMTFSLIVLAVICIGTVVHYRYNOKKTYNYSTLSFTT 60
DB 1 MYRPDVVRARKVCEPWPWIGLVMTFSLIVLAVICIGTVVHYRYNOKKTYNYSTLSFTT 60
QY 61 DKLYAEFGREASNNFTMSQRLESVMKNFYKSPLEEFVKSPQVVKFSQKHGVLAMLL 120
DB 61 DKLYAEFGREASNNFTMSQRLESVMKNFYKSPLEEFVKSPQVVKFSQKHGVLAMLL 120
QY 121 ICRFHSTEDPETVDKIVQLVLEHEKLDQAVGPKVPDPSVKIKKINKTETDSYLNHCCGTR 180
DB 121 ICRFHSTEDPETVDKIVQLVLEHEKLDQAVGPKVPDPSVKIKKINKTETDSYLNHCCGTR 180
QY 181 RSKTLGQSRLIVGGTEVEGEPWQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240
DB 181 RSKTLGQSRLIVGGTEVEGEPWQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 300
DB 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 300
QY 301 SYEFQPGDVMFTGKALKNQDYSQNHRLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 360
DB 301 SYEFQPGDVMFTGKALKNQDYSQNHRLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 360
QY 361 LEGKTDACQSGGGLVSSDARDIWLAGIYSSGDECAKPNKPGVYTVTRVLTALRDWITSKT 420
DB 361 LEGKTDACQSGGGLVSSDARDIWLAGIYSSGDECAKPNKPGVYTVTRVLTALRDWITSKT 420
QY 421 GI 422
DB 421 GI 422

RESULT 2
US-10-332-122-3
; Sequence 3, Application US/10332122
; Publication No. US20030171324A1
; GENERAL INFORMATION:
; APPLICANT: Bayer AG
; APPLICANT: Bull, Christof
; TITLE OF INVENTION: REGULATION OF HUMAN DESCI-LIKE SERINE PROTEASE

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; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/336,536
; PRIOR FILING DATE: 1999-06-18
; PRIOR APPLICATION NUMBER: 09/342,687
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 09/345,464
; PRIOR FILING DATE: 1999-06-30
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; PRIOR FILING DATE: 1999-07-30
; PRIOR APPLICATION NUMBER: 09/399,723
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 09/409,634
; PRIOR FILING DATE: 1999-09-30
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; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 09/474,071
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/474,072
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/514,010
; PRIOR FILING DATE: 2000-02-25
; PRIOR APPLICATION NUMBER: 09/516,745
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/572,002
; PRIOR FILING DATE: 2000-05-14
; PRIOR APPLICATION NUMBER: 09/597,993
; PRIOR FILING DATE: 2000-06-19
; PRIOR APPLICATION NUMBER: 09/599,596
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 09/630,334
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: 09/606,565
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 09/606,317
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 09/665,666
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: 09/677,751
; PRIOR FILING DATE: 2000-09-30
; NUMBER OF SEQ ID NOS: 162
; SEQ ID NO 146
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-796-753-146

Query Match
Best Local Similarity 99.4%; Score 2245; DB 10; Length 423;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MYRDPVVRARKVCWEPWIGLVFISLIVLAVCIGVTHVYRNQKTYNYSTLSFTT 60
Db 2 MYRDPVVRARKVCWEPWIGLVFISLIVLAVCIGVTHVYRNQKTYNYSTLSFTT 61
QY 61 DKLYAEFGREANNFTMSQRLSESWKNAFYKSPLEEFVKSVQIKSQKHGLAHMLL 120
Db 62 DKLYAEFGREANNFTMSQRLSESWKNAFYKSPLEEFVKSVQIKSQKHGLAHMLL 121
QY 121 ICRPHSTEDPVDKIVQLVHLKQLDQAVGPKVDPHSVKIKKINKTETDLYLNHCQCTR 180
Db 122 ICRPHSTEDPVDKIVQLVHLKQLDQAVGPKVDPHSVKIKKINKTETDLYLNHCQCTR 181
QY 181 RSKTLGSLRIVGTEVEGEPWQASLOWDGSRCGATLINATWLVSAHCFYTKNPA 240
Db 182 RSKTLGSLRIVGTEVEGEPWQASLOWDGSRCGATLINATWLVSAHCFYTKNPA 241
QY 241 RWTASFGVTIKPSKMKGLRRIIVHEKYKHPSHDYDLSLAELSSPVYTNVAVHVCVLPDA 300
Db 242 RWTASFGVTIKPSKMKGLRRIIVHEKYKHPSHDYDLSLAELSSPVYTNVAVHVCVLPDA 301
QY 301 SYEFQPGDVMFVTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPQAYNDAITPRMLCAGS 360
Db 302 SYEFQPGDVMFVTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPQAYNDAITPRMLCAGS 361

QY 361 LEGKTDACQDGGSGPLVSSDARDIWIYLAGIVSSGDECAKPNKPGVYTRVTALRDWITSKT 420
Db 362 LEGKTDACQDGGSGPLVSSDARDIWIYLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKT 421
QY 421 GI 422
Db 422 GI 423

RESULT 4
US-09-946-374-269
; Sequence 269, Application US/09946374
; Publication No. US20030073129A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2830P1C1
; CURRENT APPLICATION NUMBER: US/09/946,374
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
; PRIOR FILING DATE: 1998-09-01
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5 PRIOR FILING DATE: 1998-09-29
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54 PRIOR APPLICATION NUMBER: 60/105002
55 PRIOR FILING DATE: 1998-10-20
56 PRIOR APPLICATION NUMBER: 60/105104
57 PRIOR FILING DATE: 1998-10-21
58 PRIOR APPLICATION NUMBER: 60/105169
59 PRIOR FILING DATE: 1998-10-22
60 PRIOR APPLICATION NUMBER: 60/105266
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62 PRIOR APPLICATION NUMBER: 60/105693
63 PRIOR FILING DATE: 1998-10-26
64 PRIOR APPLICATION NUMBER: 60/105694
65 PRIOR FILING DATE: 1998-10-26
66 PRIOR APPLICATION NUMBER: 60/105807

Query Match 99.4%; Score 2245; DB 10; Length 423;
Best Local Similarity 99.3%; Pred. No. 1,7e-217;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy

1 MYRPDVVRABKRVCMWEPWVGLWVPSLIVLVCIGTWHYVKNOKKYNVYSTLSFTT 60

BACKER VS
SEQ 10 #3

Db 2 MYRDPVVRARKVRCWEPWVIGLVIFISLVLAVCGIGLTVHYVRYNQKKTNYSTLSFTT 61
Qy 61 DKLYAEFGREASNNFTMSQRLSESMVKNFAYKSPLEEFVKSVQIKSQQKHGVLAMLL 120
Db 62 DKLYAEFGREASNNFTMSQRLSESMVKNFAYKSPLEEFVKSVQIKSQQKHGVLAMLL 121
Qy 121 ICRFHSTEDPETVDKIQLVLHEKLDQAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 180
Db 122 ICRFHSTEDPETVDKIQLVLHEKLDQAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 181
Qy 181 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFITYKNPA 240
Db 182 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFITYKNPA 241
Qy 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPVTNAVHRCVCLPDA 300
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPVTNAVHRCVCLPDA 301
Qy 301 SYEFQPGDVMFVTGFGALKNDGYSQNHRLRQAVTLIDATTCNEPQAYNDAITPRMLCAGS 360
Db 302 SYEFQPGDVMFVTGFGALKNDGYSQNHRLRQAVTLIDATTCNEPQAYNDAITPRMLCAGS 361
Qy 361 LEGKTDACQDGGPLVSSDARDIWLGIWSSGDECAKPNKPGYTRVTAALRDWITSKT 420
Db 362 LEGKTDACQDGGPLVSSDARDIWLGIWSSGDECAKPNKPGYTRVTAALRDWITSKT 421
Qy 421 GI 422
Db 422 GI 423

RESULT 5

US-10-206-915-320
; Sequence 320, Application US/10206915
; Publication No. US20040029221A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C513
; CURRENT APPLICATION NUMBER: US/10/206,915
; PRIOR FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
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; PRIOR APPLICATION NUMBER: 60/063540
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; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 320
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-915-320
Query Match 99.4%; Score 2245; DB 12; Length 423;
Best Local Similarity 99.3%; Pred No. 1.7e-217; Indels 0; Gaps 0;
Matches 419; Conservative 2; Mismatches 1;
Qy 1 MYRDPVVRARKVRCWEPWVIGLVIFISLVLAVCGIGLTVHYVRYNQKKTNYSTLSFTT 60
Db 2 MYRDPVVRARKVRCWEPWVIGLVIFISLVLAVCGIGLTVHYVRYNQKKTNYSTLSFTT 61
Qy 61 DKLYAEFGREASNNFTMSQRLSESMVKNFAYKSPLEEFVKSVQIKSQQKHGVLAMLL 120
Db 62 DKLYAEFGREASNNFTMSQRLSESMVKNFAYKSPLEEFVKSVQIKSQQKHGVLAMLL 121
Qy 121 ICRFHSTEDPETVDKIQLVLHEKLDQAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 180
Db 122 ICRFHSTEDPETVDKIQLVLHEKLDQAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 181
Qy 181 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFITYKNPA 240
Db 182 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFITYKNPA 241
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Qy 301 SYEFQPGDVMFVTGFGALKNDGYSQNHRLRQAVTLIDATTCNEPQAYNDAITPRMLCAGS 360
Db 302 SYEFQPGDVMFVTGFGALKNDGYSQNHRLRQAVTLIDATTCNEPQAYNDAITPRMLCAGS 361
Qy 361 LEGKTDACQDGGPLVSSDARDIWLGIWSSGDECAKPNKPGYTRVTAALRDWITSKT 420
Db 362 LEGKTDACQDGGPLVSSDARDIWLGIWSSGDECAKPNKPGYTRVTAALRDWITSKT 421
Qy 421 GI 422
Db 422 GI 423
RESULT 6
US-10-199-670-320
; Sequence 320, Application US/10199670
; Publication No. US20040033560A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C401
; CURRENT APPLICATION NUMBER: US/10/199,670
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17


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; Publication No. US20040048334A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C519
; CURRENT APPLICATION NUMBER: US/10/205,890
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 320
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-890-320

Query Match          99.4%; Score 2245; DB 12; Length 423;
Best Local Similarity 99.3%; Pred. No. 1.7e-217;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      1  MYRDPVVRARKVCWEPWVIGLVAFISLIVLAVCIIGTVVHYVRYNOKKTYNYSTLSFTT 60
Db      2  MYRDPVVRARKVCWEPWVIGLVAFISLIVLAVCIIGTVVHYVRYNOKKTYNYSTLSFTT 61

Qy      61  DKLYAEFGREASNNFTMSQRLESVMVKNAFYKSPLEEFVKSVQVTKFSQKHGVLAHMLL 120
Db      62  DKLYAEFGREASNNFTMSQRLESVMVKNAFYKSPLEEFVKSVQVTKFSQKHGVLAHMLL 121

Qy      121  ICRFHSTDEPDTVDKIQLVLEHEKLODVGPPKVDPHSVKIKKINKTETSDSYLNHCCGTR 180
Db      122  ICRFHSTDEPDTVDKIQLVLEHEKLODVGPPKVDPHSVKIKKINKTETSDSYLNHCCGTR 181

Qy      181  RSKTLGQSRLIRIVGGTEVEGEWPAQSLQWDSHRCGATLINATWLVSAAHCFITYKNPA 240
Db      182  RSKTLGQSRLIRIVGGTEVEGEWPAQSLQWDSHRCGATLINATWLVSAAHCFITYKNPA 241

Qy      241  RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 300
Db      242  RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 301

Qy      301  SYEFQGDVMTFGALKNKGYSQNHLEQAOVTLIDATTCNEPOAYNDAITPRMLCAGS 360
Db      302  SYEFQGDVMTFGALKNKGYSQNHLEQAOVTLIDATTCNEPOAYNDAITPRMLCAGS 361

; Publication No. US20040048335A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C538
; CURRENT APPLICATION NUMBER: US/10/208,024
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 320
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-208-024-320

Query Match          99.4%; Score 2245; DB 12; Length 423;
Best Local Similarity 99.3%; Pred. No. 1.7e-217;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      1  MYRDPVVRARKVCWEPWVIGLVAFISLIVLAVCIIGTVVHYVRYNOKKTYNYSTLSFTT 60
Db      2  MYRDPVVRARKVCWEPWVIGLVAFISLIVLAVCIIGTVVHYVRYNOKKTYNYSTLSFTT 61

Qy      61  DKLYAEFGREASNNFTMSQRLESVMVKNAFYKSPLEEFVKSVQVTKFSQKHGVLAHMLL 120
Db      62  DKLYAEFGREASNNFTMSQRLESVMVKNAFYKSPLEEFVKSVQVTKFSQKHGVLAHMLL 121

Qy      121  ICRFHSTDEPDTVDKIQLVLEHEKLODVGPPKVDPHSVKIKKINKTETSDSYLNHCCGTR 180
Db      122  ICRFHSTDEPDTVDKIQLVLEHEKLODVGPPKVDPHSVKIKKINKTETSDSYLNHCCGTR 181

Qy      181  RSKTLGQSRLIRIVGGTEVEGEWPAQSLQWDSHRCGATLINATWLVSAAHCFITYKNPA 240
Db      182  RSKTLGQSRLIRIVGGTEVEGEWPAQSLQWDSHRCGATLINATWLVSAAHCFITYKNPA 241

Qy      241  RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 300
Db      242  RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 301

Qy      301  SYEFQGDVMTFGALKNKGYSQNHLEQAOVTLIDATTCNEPOAYNDAITPRMLCAGS 360
Db      302  SYEFQGDVMTFGALKNKGYSQNHLEQAOVTLIDATTCNEPOAYNDAITPRMLCAGS 361
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Db 122 ICRFHSTEDPTVDKIVQLVLHEKLDQAVGPKVDPHSVKIKKINKTETDSYLNHCCGPR 181
QY 181 RSKTIGOSLRIVGGTEVEEGEPWQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240
Db 182 RSKTIGOSLRIVGGTEVEEGEPWQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 241
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPGSHDYDISLAELSSPPVYTNAVHRVCLPDA 300
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPGSHDYDISLAELSSPPVYTNAVHRVCLPDA 301
QY 301 SYEFQGDVMTFVGALKNDGYSQNLHRCQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360
Db 302 SYEFQGDVMTFVGALKNDGYSQNLHRCQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361
QY 361 LEGKTDACQDGGPLVSSDARDIWLVLGIVSSGDECAKPNKPGVYTRVTRALRDWITSKT 420
Db 362 LEGKTDACQDGGPLVSSDARDIWLVLGIVSSGDECAKPNKPGVYTRVTRALRDWITSKT 421
QY 421 GI 422
Db 422 GI 423

RESULT 10
US-10-201-853-320
; Sequence 320, Application US/10201853
; Publication No. US20040053358A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC465
; CURRENT APPLICATION NUMBER: US/10/201,853
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 320
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-853-320

Query Match 99.4%; Score 2245; DB 12; Length 423;

Best Local Similarity 99.3%; Pred. No. 1.7e-217;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 1 MYRPDVRARKVRCWEPWVIGLVMPISLIVLAVCIQVTVHYVRYNOKKTYNYSTLSFTT 60
Db 2 MYRPDVRARKVRCWEPWVIGLVMPISLIVLAVCIQVTVHYVRYNOKKTYNYSTLSFTT 61
QY 61 DKLYAEFGREASNNFTMSQRLESVMVKNAFKSPLEEFVKSOVIKFSQOKHGVLAHMLL 120
Db 62 DKLYAEFGREASNNFTMSQRLESVMVKNAFKSPLEEFVKSOVIKFSQOKHGVLAHMLL 121
QY 121 ICRFHSTEDPTVDKIVQLVLHEKLDQAVGPKVDPHSVKIKKINKTETDSYLNHCCGPR 180
Db 122 ICRFHSTEDPTVDKIVQLVLHEKLDQAVGPKVDPHSVKIKKINKTETDSYLNHCCGPR 181
QY 181 RSKTIGOSLRIVGGTEVEEGEPWQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240
Db 182 RSKTIGOSLRIVGGTEVEEGEPWQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 241
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPGSHDYDISLAELSSPPVYTNAVHRVCLPDA 300
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPGSHDYDISLAELSSPPVYTNAVHRVCLPDA 301
QY 301 SYEFQGDVMTFVGALKNDGYSQNLHRCQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360
Db 302 SYEFQGDVMTFVGALKNDGYSQNLHRCQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361
QY 361 LEGKTDACQDGGPLVSSDARDIWLVLGIVSSGDECAKPNKPGVYTRVTRALRDWITSKT 420
Db 362 LEGKTDACQDGGPLVSSDARDIWLVLGIVSSGDECAKPNKPGVYTRVTRALRDWITSKT 421
QY 421 GI 422
Db 422 GI 423

RESULT 11
US-10-063-745-106
; Sequence 106, Application US/10063745
; Publication No. US20040058411A1
; GENERAL INFORMATION:
; APPLICANT: Baton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,745
; CURRENT FILING DATE: 2002-05-09
; PRIOR APPLICATION removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 106
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-745-106

Query Match 99.4%; Score 2245; DB 12; Length 423;
Best Local Similarity 99.3%; Pred. No. 1.7e-217;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 1 MYRPDVRARKVRCWEPWVIGLVMPISLIVLAVCIQVTVHYVRYNOKKTYNYSTLSFTT 60
Db 2 MYRPDVRARKVRCWEPWVIGLVMPISLIVLAVCIQVTVHYVRYNOKKTYNYSTLSFTT 61
QY 61 DKLYAEFGREASNNFTMSQRLESVMVKNAFKSPLEEFVKSOVIKFSQOKHGVLAHMLL 120

Db 62 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIFKFSQKHGVLAHMLL 121
QY 121 ICRFHSTEDPETVDKIVQLVLEKLODVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180
Db 122 ICRFHSTEDPETVDKIVQVLVLEKLODVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 181
QY 181 RSKTLGQSLRIYGGTEVEEGEWPQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240
Db 182 RSKTLGQSLRIYGGTEVEEGEWPQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 241
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 300
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 301
QY 301 SYEFQPGDVMTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360
Db 361 SYEFQPGDVMTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361
QY 361 LEGKTDACQDGGPLVSSDARDIWLIVAGISGDECAKPNKPGVYTRVTRALRDWITSKT 420
Db 421 LEGKTDACQDGGPLVSSDARDIWLIVAGISGDECAKPNKPGVYTRVTRALRDWITSKT 421
QY 421 GI 422
Db 422 GI 423

RESULT 12
US-10-063-512-106
; Sequence 106, Application US/10063512
; Publication No. US20030018183A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063, 512
; CURRENT FILING DATE: 2002-05-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 106
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-512-106

Query Match 99.4%; Score 2245; DB 12; Length 423;
Best Local Similarity 99.3%; Pred. No. 1.7e-217;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 1 MYRPDVVRARKRVCWEPWVIGLVMFISLIVLAVCIGVTVHYVRYNOKTNYISTLSFTT 60
Db 2 MYRPDVVRARKRVCWEPWVIGLVMFISLIVLAVCIGVTVHYVRYNOKTNYISTLSFTT 61
QY 61 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIFKFSQKHGVLAHMLL 120
Db 62 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIFKFSQKHGVLAHMLL 121
QY 121 ICRFHSTEDPETVDKIVQLVLEKLODVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180
Db 122 ICRFHSTEDPETVDKIVQLVLEKLODVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 181
QY 181 RSKTLGQSLRIYGGTEVEEGEWPQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240
Db 182 RSKTLGQSLRIYGGTEVEEGEWPQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 241
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 300
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 301
QY 301 SYEFQPGDVMTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360
Db 361 SYEFQPGDVMTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361

QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 300
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 301
QY 301 SYEFQPGDVMTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360
Db 361 SYEFQPGDVMTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361
QY 361 LEGKTDACQDGGPLVSSDARDIWLIVAGISGDECAKPNKPGVYTRVTRALRDWITSKT 420
Db 362 LEGKTDACQDGGPLVSSDARDIWLIVAGISGDECAKPNKPGVYTRVTRALRDWITSKT 421
QY 421 GI 422
Db 422 GI 423

RESULT 13
US-10-063-513-106
; Sequence 106, Application US/10063513
; Publication No. US20030018172A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063, 513
; CURRENT FILING DATE: 2002-05-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 106
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-513-106

Query Match 99.4%; Score 2245; DB 12; Length 423;
Best Local Similarity 99.3%; Pred. No. 1.7e-217;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 1 MYRPDVVRARKRVCWEPWVIGLVMFISLIVLAVCIGVTVHYVRYNOKTNYISTLSFTT 60
Db 2 MYRPDVVRARKRVCWEPWVIGLVMFISLIVLAVCIGVTVHYVRYNOKTNYISTLSFTT 61
QY 61 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIFKFSQKHGVLAHMLL 120
Db 62 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIFKFSQKHGVLAHMLL 121
QY 121 ICRFHSTEDPETVDKIVQLVLEKLODVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180
Db 122 ICRFHSTEDPETVDKIVQLVLEKLODVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 181
QY 181 RSKTLGQSLRIYGGTEVEEGEWPQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240
Db 182 RSKTLGQSLRIYGGTEVEEGEWPQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 241
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 300
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 301
QY 301 SYEFQPGDVMTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360
Db 362 SYEFQPGDVMTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 13, 2004, 16:27:38 ; Search time 50.5 Seconds
(without alignments)
2361.090 Million cell updates/sec

Title: US-09-674-035B-2

Perfect score: 2265

Sequence: 1 MYRPDVVRARKRVCWEPFVI.....PGVYTRVTRALRDWITSKTI 422

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 1586107

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq_29Jan04.*
1: Geneseqp1980s.*
2: Geneseqp1990s.*
3: Geneseqp2000s.*
4: Geneseqp2001s.*
5: Geneseqp2002s.*
6: Geneseqp2003as.*
7: Geneseqp2003bs.*
8: Geneseqp2004s.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2265	100.0	422	3	AA94708 Human DES
2	2265	100.0	422	5	AAE18723 Human DES
3	2265	100.0	422	6	ABU56527 Lung canc
4	2265	100.0	423	3	AA99414 Human PRO
5	2265	100.0	423	4	AAB66163 Protein o
6	2265	100.0	423	4	AAU01344 Human TAN
7	2265	100.0	423	4	AAU29183 Human PRO
8	2265	100.0	423	4	AAU87578 Human PRO
9	2265	100.0	423	5	ABG5903 Human sec
10	2265	100.0	423	5	ABP43883 Human PRO
11	2265	100.0	423	6	ABU58559 Human PRO
12	2265	100.0	423	6	ABU88107 Novel hum
13	2265	100.0	423	6	ABU84422 Human sec
14	2265	100.0	423	6	ABR66296 Human sec
15	2265	100.0	423	6	ABR65686 Human sec
16	2265	100.0	423	6	ABU99626 Human sec
17	2265	100.0	423	6	ABU82865 Human PRO
18	2265	100.0	423	6	ABU89986 Novel hum
19	2265	100.0	423	6	ABR68235 Human sec
20	2265	100.0	423	6	ABU96288 Novel hum
21	2265	100.0	423	6	ABU92719 Human sec
22	2265	100.0	423	6	ABO08796 Human sec
23	2265	100.0	423	6	ABO02848 Human sec
24	2265	100.0	423	6	ABR75002 Human sec
25	2265	100.0	423	6	ABR94764 Human sec

26	2265	100.0	423	6	ABU85737 Human PRO
27	2265	100.0	423	6	ABU98897 Novel hum
28	2265	100.0	423	6	ABU98112 Novel hum
29	2265	100.0	423	6	ABU91818 Novel hum
30	2265	100.0	423	6	ABU89511 Human PRO
31	2265	100.0	423	6	ABU86352 Human sec
32	2265	100.0	423	6	ABU67565 Human sec
33	2265	100.0	423	6	ABU80593 Human PRO
34	2265	100.0	423	6	ABU90928 Novel hum
35	2265	100.0	423	6	ABO33987 Human sec
36	2265	100.0	423	6	ABR99511 Human sec
37	2265	100.0	423	6	ABR98901 Human sec
38	2265	100.0	423	6	ABO16424 Human sec
39	2265	100.0	423	6	ABR92324 Human sec
40	2265	100.0	423	6	ABO18965 Human sec
41	2265	100.0	423	6	ABR78386 Human sec
42	2265	100.0	423	6	ABU72004 Novel hum
43	2265	100.0	423	6	ABU85122 Novel hum
44	2265	100.0	423	6	ABO00261 Novel hum
45	2265	100.0	423	6	ABO11593 Human sec

ALIGNMENTS

RESULT 1
AA94708
ID AAY94708 standard; protein; 422 AA.
AC AAY94708;
XX
XX 01-DEC-2000 (first entry)
XX
XX Human DES1 protein variant #1.
XX
XX Human; DES1; squamous cell carcinoma; prostate cancer; head; neck;
XX diagnosis; chromosome 4q12-4q13.
XX Homo sapiens.
XX
XX Key Location/Qualifiers
XX Region 19..37
XX /note= "Hydrophobic transmembrane region"
XX Cleavage-site 190..191
XX Domain 191..422
XX /note= "Catalytic domain"
XX
XX WO200050061-A1.
XX
XX 31-AUG-2000.
XX
XX 11-NOV-1999; 99WO-IB001818.
XX
XX 26-FEB-1999; 99US-0122747P.
XX
XX (OHIS) UNIV OHIO STATE RES FOUND.
XX
XX Lang JC;
XX
XX WPI; 2000-572035/53.
XX N-PSDB; AAA28125.
XX
XX Diagnosing squamous cell carcinoma or prostate cancer especially squamous
XX cell carcinomas of head and neck and tissues adjacent to such tumor
XX tissue comprises assaying for the expression of DES1 gene.
XX Claim 8; Fig 1A; 32pp; English.
XX
XX This invention relates to a method for the diagnosis of squamous cell
XX carcinoma or prostate cancer, comprising assaying for the expression of
XX the DES1 gene in the tissue sample from a subject. The present sequence
XX represents the human DES1 protein variant 1. The human DES1 gene is
XX located on chromosome 4q12-4q13, and the DES1 protein has a predicted

CC molecular weight of 44kd. The DESCI gene is expressed in significant
CC levels in epithelial derived tissue of the head, neck, oral mucosa,
CC tonsils, prostate, testes and skin in healthy individuals. tissue samples
CC from patients with squamous cell carcinoma (particularly of the head and
CC neck) do not express, or expresses at low levels the DESCI gene.
CC Expression of the DESCI gene is reduced or absent in prostate cancer. The
CC DESCI protein shows homology to serine protease family members. The
CC methods of the invention can be used to diagnose squamous cell carcinoma
CC or prostate cancer in a tissue sample of a subject. The DESCI cDNA is
CC useful for producing DESCI protein and for designing hybridization probes
CC for isolating and identifying cDNA clones and genomic clones encoding the
CC protein or its allelic forms
XX
SQ Sequence 422 AA;

Query Match 100.0%; Score 2265; DB 3; Length 422;
Best Local Similarity 100.0%; Pred. No. 1.7e-195;
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MYRDPVARKVCWEPWVIGLVIFISLVLAVCIGLTVHYVRYNOKKTYNYSTLSPTT 60
DB 1 MYRDPVARKVCWEPWVIGLVIFISLVLAVCIGLTVHYVRYNOKKTYNYSTLSPTT 60
QY 61 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIKFSQKHGVLAHMLL 120
DB 61 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIKFSQKHGVLAHMLL 120
QY 121 ICRFHSTEDPEVDKIVQLVLEKLODAVGPVKDPHVKIKKINKTETDSYLNHCCGTR 180
DB 121 ICRFHSTEDPEVDKIVQLVLEKLODAVGPVKDPHVKIKKINKTETDSYLNHCCGTR 180
QY 181 RSKTLGQSLRIVGGTEVEEGEWPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 240
DB 181 RSKTLGQSLRIVGGTEVEEGEWPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 240
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNVAHVRLCLPDA 300
DB 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNVAHVRLCLPDA 300
QY 301 SYEFQPGDVMFTGFGALKNDGYSQNHLSRQAVTLIDATTCNEPOAYNDATIPRMLCAGS 360
DB 301 SYEFQPGDVMFTGFGALKNDGYSQNHLSRQAVTLIDATTCNEPOAYNDATIPRMLCAGS 360
QY 361 LEGKTDACQDGGPLVSSDARDIWLAGISWGDCAKPNKPGVYTRVTLARDWITSKT 420
DB 361 LEGKTDACQDGGPLVSSDARDIWLAGISWGDCAKPNKPGVYTRVTLARDWITSKT 420
QY 421 GI 422
DB 421 GI 422

RESULT 2
AAE18723
ID AAE18723 standard; protein; 422 AA.

AC AAE18723;

DT 17-MAY-2002 (first entry)

DE Human DESCI-like serine protease homologue.

XX Human; DESCI-like serine protease; chronic obstructive pulmonary disease;
XX COPD; cancer; cardiovascular disease; nervous system disease; arrhythmia;
XX congestive heart failure; myocardial infarction; ischaemic disease;
XX hypertensive vascular disease; peripheral vascular disease; enzyme.

OS Homo sapiens.

XA WO200206453-A2.

XX 24-JAN-2002.

XX

PF 09-JUL-2001; 2001WO-EP007859.
XX
PR 18-JUL-2000; 2000US-0218832P.
XX
FA (PARB) BAYER AG.
XX
PI Ramakrishnan S;
XX
DR WPI; 2002-188540/24.
XX
XX Novel purified human DESCI-like serine protease, useful for identifying
PT modulators of enzyme activity to treat cancer, chronic obstructive
PT pulmonary disease, cardiovascular, peripheral/central nervous system
PT disease.
XX
XX Disclosure; Fig 3; 86pp; English.
XX
XX The present invention relates to human DESCI-like serine proteases and
CC polynucleotides encoding such proteins. DESCI-like serine proteases are
CC useful for treating a DESCI-like serine protease dysfunction related
CC disease conditions such as cancer, chronic obstructive pulmonary disease
CC (COPD), cardiovascular diseases (e.g., myocardial infarction, congestive
CC heart failure, ischaemic diseases of heart, all kinds of atrial and
CC ventricular arrhythmias, hypertensive vascular diseases and peripheral
CC vascular diseases) and peripheral or central nervous system diseases.
CC They are also useful in diagnostic assays for detecting diseases and
CC abnormalities or susceptibility to diseases and abnormalities related to
CC the presence of mutations in the nucleic acid sequences which encode the
CC enzyme. The present sequence is human DESCI-like serine protease
CC homologue
XX
SQ Sequence 422 AA;

Query Match 100.0%; Score 2265; DB 5; Length 422;
Best Local Similarity 100.0%; Pred. No. 1.7e-195;
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MYRDPVARKVCWEPWVIGLVIFISLVLAVCIGLTVHYVRYNOKKTYNYSTLSPTT 60
DB 1 MYRDPVARKVCWEPWVIGLVIFISLVLAVCIGLTVHYVRYNOKKTYNYSTLSPTT 60
QY 61 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIKFSQKHGVLAHMLL 120
DB 61 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIKFSQKHGVLAHMLL 120
QY 121 ICRFHSTEDPEVDKIVQLVLEKLODAVGPVKDPHVKIKKINKTETDSYLNHCCGTR 180
DB 121 ICRFHSTEDPEVDKIVQLVLEKLODAVGPVKDPHVKIKKINKTETDSYLNHCCGTR 180
QY 181 RSKTLGQSLRIVGGTEVEEGEWPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 240
DB 181 RSKTLGQSLRIVGGTEVEEGEWPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 240
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNVAHVRLCLPDA 300
DB 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNVAHVRLCLPDA 300
QY 301 SYEFQPGDVMFTGFGALKNDGYSQNHLSRQAVTLIDATTCNEPOAYNDATIPRMLCAGS 360
DB 301 SYEFQPGDVMFTGFGALKNDGYSQNHLSRQAVTLIDATTCNEPOAYNDATIPRMLCAGS 360
QY 361 LEGKTDACQDGGPLVSSDARDIWLAGISWGDCAKPNKPGVYTRVTLARDWITSKT 420
DB 361 LEGKTDACQDGGPLVSSDARDIWLAGISWGDCAKPNKPGVYTRVTLARDWITSKT 420
QY 421 GI 422
DB 421 GI 422

RESULT 3
ABU56527
ID ABU56527 standard; protein; 422 AA.

XX AC ABUS6527;
XX DT 02-APR-2003 (first entry)
XX DE Lung cancer-associated polypeptide #120.
XX KW Lung cancer-associated polypeptide; cytostatic; emphysema;
XX KW antiinflammatory; antiasthmatic; non-small cell lung cancer; atelectasis;
XX KW small cell lung cancer; benign lesion; precancerous lesion; bronchitis;
XX KW chronic obstructive pulmonary disease; hypersensitivity pneumonitis;
XX KW interstitial pulmonary fibrosis; fibrosis; asthma; bronchiectasis.
XX OS Unidentified.
XX PN WO200286443-A2.
XX PD 31-OCT-2002.
XX PF 18-APR-2002; 2002WO-US012476.
XX PR 18-APR-2001; 2001US-0284770P.
XX PR 10-MAY-2001; 2001US-0290492P.
XX PR 09-NOV-2001; 2001US-0339245P.
XX PR 13-NOV-2001; 2001US-0350666P.
XX PR 23-NOV-2001; 2001US-0334370P.
XX PR 12-APR-2002; 2002US-0372246P.
XX PA (BCSB-) EOS BIOTECHNOLOGY INC.
XX PI Aziz N, Murray R;
XX DR WPI; 2003-093161/08.
XX DR N-PSDB; ABX76254.
XX PT Detecting a lung cancer-associated transcript in a cell from a patient
XX PT for treating lung cancer, by contacting a biological sample from the
XX PT patient with a polynucleotide that exhibits increased or decreased
XX PT expression in lung cancer.
XX PS Claim 27; Page 284; 453pp; English.
XX CC The invention relates to a method for detecting a lung cancer-associated
XX CC transcript in a cell from a patient, comprising contacting a biological
XX CC sample from the patient with a polynucleotide that selectively hybridises
XX CC to a sequence that is at least 80 % identical to a gene that exhibits
XX CC increased or decreased expression in lung cancer samples. Lung cancer-
XX CC associated polynucleotides and polypeptides are used for identifying a
XX CC compound that modulates a lung cancer-associated polypeptide, for
XX CC inhibiting proliferation of a lung cancer-associated cell to treat lung
XX CC cancer in a patient and for treating a mammal having lung cancer by
XX CC administering a modulatory compound identified. The methods are useful
XX CC for treating lung cancer, such as small cell lung cancer, non-small cell
XX CC lung cancer or other benign or precancerous lesions, e.g. atelectasis,
XX CC emphysema, bronchitis, chronic obstructive pulmonary disease, fibrosis,
XX CC hypersensitivity pneumonitis, interstitial pulmonary fibrosis, asthma and
XX CC bronchiectasis. The genes, polynucleotides and polypeptides are useful
XX CC for diagnostic purposes and as targets for screening for therapeutic
XX CC compounds that modulate lung cancer, such as antibodies. Sequences
XX CC ABUS6408-ABUS6745 represent lung cancer-associated polypeptides of the
XX CC invention
XX SQ Sequence 422 AA;
Query Match 100.0%; Score 2265; DB 6; Length 422;
Best Local Similarity 100.0%; Pred. No. 1.7e-195;
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MYRDPVVRARKVCEWPEWVIGLVIFISLIVLAVCVIGLVHVRVYKQKTYNYSLFTT 60
DB 1 MYRDPVVRARKVCEWPEWVIGLVIFISLIVLAVCVIGLVHVRVYKQKTYNYSLFTT 60
QY 61 DKLYAEFGREASNNFTMSQRLESVMKNFYKSPLEEFVKSVIKFSQKHGVLAHMLL 120

Db 61 DKLYAEFGREASNNFTMSQRLESVMKNFYKSPLEEFVKSVIKFSQKHGVLAHMLL 120
QY 121 ICRFHSTEDPETVDKIVQLVLEHEKLODAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 180
Db 121 ICRFHSTEDPETVDKIVQLVLEHEKLODAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 180
QY 181 RSKTLGQSRIIVGGTEVEGEWPFQASLOWDGSRCGATLINATMLVSAAHCFTTYKNPA 240
Db 181 RSKTLGQSRIIVGGTEVEGEWPFQASLOWDGSRCGATLINATMLVSAAHCFTTYKNPA 240
QY 241 RWTASFQVTKIPSKMKRGLRRIIVHEKYPKHPSHDYDISLAELSSPPYTNVHRVCLPDA 300
Db 241 RWTASFQVTKIPSKMKRGLRRIIVHEKYPKHPSHDYDISLAELSSPPYTNVHRVCLPDA 300
QY 301 SYEFQPDVWFVTGFCALXNDGYSONHLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360
Db 301 SYEFQPDVWFVTGFCALXNDGYSONHLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360
QY 361 LEGKTDACQDSCGGLVSSDARDIWIYLAGIVSMGDECAKPKPGVYTRVTALRDWITSKT 420
Db 361 LEGKTDACQDSCGGLVSSDARDIWIYLAGIVSMGDECAKPKPGVYTRVTALRDWITSKT 420
QY 421 GI 422
Db 421 GI 422
RESULT 4
AAAY99414
ID AAAY99414 standard; protein; 423 AA.
XX AC AAAY99414;
XX DT 08-AUG-2000 (first entry)
XX DE Human PRO1461 (UNQ742) amino acid sequence SEQ ID NO:269.
XX KW Human; PRO polypeptide; membrane bound protein; receptor; diagnosis;
XX KW transmembrane; secretion; immunoadhesion; pharmaceutical; screening.
XX OS Homo sapiens.
XX PN WO2000012708-A2.
XX PD 09-MAR-2000.
XX PF 01-SEP-1999; 99WO-US020111.
XX PR 01-SEP-1998; 98US-0098716P.
XX PR 01-SEP-1998; 98US-0098749P.
XX PR 02-SEP-1998; 98US-0098750P.
XX PR 02-SEP-1998; 98US-0098803P.
XX PR 02-SEP-1998; 98US-0098821P.
XX PR 02-SEP-1998; 98US-0098843P.
XX PR 09-SEP-1998; 98US-0099536P.
XX PR 09-SEP-1998; 98US-0099536P.
XX PR 09-SEP-1998; 98US-0099536P.
XX PR 09-SEP-1998; 98US-0099602P.
XX PR 09-SEP-1998; 98US-0099642P.
XX PR 10-SEP-1998; 98US-0099741P.
XX PR 10-SEP-1998; 98US-0099754P.
XX PR 10-SEP-1998; 98US-0099763P.
XX PR 10-SEP-1998; 98US-0099792P.
XX PR 10-SEP-1998; 98US-0099808P.
XX PR 10-SEP-1998; 98US-0099812P.
XX PR 10-SEP-1998; 98US-0099815P.
XX PR 10-SEP-1998; 98US-0099816P.
XX PR 15-SEP-1998; 98US-0100385P.
XX PR 15-SEP-1998; 98US-0100388P.
XX PR 15-SEP-1998; 98US-0100390P.
XX PR 16-SEP-1998; 98US-0100584P.
XX PR 16-SEP-1998; 98US-0100627P.

PR 16-SEP-1998; 98US-0100661P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100710P.
PR 17-SEP-1998; 98US-0100711P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100848P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 18-SEP-1998; 98US-0101071P.
PR 18-SEP-1998; 98US-0101279P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101473P.
PR 23-SEP-1998; 98US-0101474P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101476P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101741P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101915P.
PR 24-SEP-1998; 98US-0101916P.
PR 24-SEP-1998; 98US-0102207P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102307P.
PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102484P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.
PR 06-OCT-1998; 98US-0103258P.
PR 06-OCT-1998; 98US-0103449P.
PR 07-OCT-1998; 98US-0103314P.
PR 07-OCT-1998; 98US-0103315P.
PR 07-OCT-1998; 98US-0103328P.
PR 07-OCT-1998; 98US-0103359P.
PR 07-OCT-1998; 98US-0103396P.
PR 07-OCT-1998; 98US-0103401P.
PR 08-OCT-1998; 98US-0103633P.
PR 08-OCT-1998; 98US-0103678P.
PR 08-OCT-1998; 98US-0103679P.
PR 08-OCT-1998; 98US-0103711P.
PR 14-OCT-1998; 98US-0104257P.
PR 20-OCT-1998; 98US-0104987P.
PR 20-OCT-1998; 98US-0105000P.
PR 20-OCT-1998; 98US-0105002P.
PR 21-OCT-1998; 98US-0105104P.
PR 22-OCT-1998; 98US-0105169P.
PR 22-OCT-1998; 98US-0105266P.
PR 26-OCT-1998; 98US-0105693P.
PR 26-OCT-1998; 98US-0105694P.
PR 26-OCT-1998; 98US-0105807P.
PR 27-OCT-1998; 98US-0105881P.
PR 27-OCT-1998; 98US-0105882P.
PR 27-OCT-1998; 98US-0106062P.
PR 28-OCT-1998; 98US-0106023P.
PR 28-OCT-1998; 98US-0106030P.
PR 28-OCT-1998; 98US-0106032P.
PR 28-OCT-1998; 98US-0106033P.
PR 28-OCT-1998; 98US-0106178P.
PR 29-OCT-1998; 98US-0106248P.
PR 29-OCT-1998; 98US-0106384P.
PR 29-OCT-1998; 98US-0108500P.

PR 30-OCT-1998; 98US-0106464P.
PR 03-NOV-1998; 98US-0106856P.
PR 03-NOV-1998; 98US-0106902P.
PR 03-NOV-1998; 98US-0106905P.
PR 03-NOV-1998; 98US-0106919P.
PR 03-NOV-1998; 98US-0106932P.
PR 03-NOV-1998; 98US-0106934P.
PR 03-NOV-1998; 98US-0107783P.
PR 17-NOV-1998; 98US-0108775P.
PR 17-NOV-1998; 98US-0108779P.
PR 17-NOV-1998; 98US-0108787P.
PR 17-NOV-1998; 98US-0108788P.
PR 17-NOV-1998; 98US-0108801P.
PR 17-NOV-1998; 98US-0108802P.
PR 17-NOV-1998; 98US-0108806P.
PR 17-NOV-1998; 98US-0108807P.
PR 17-NOV-1998; 98US-0108867P.
PR 17-NOV-1998; 98US-0108925P.
PR 18-NOV-1998; 98US-0108848P.
PR 18-NOV-1998; 98US-0108849P.
PR 18-NOV-1998; 98US-0108850P.
PR 18-NOV-1998; 98US-0108851P.
PR 18-NOV-1998; 98US-0108852P.
PR 18-NOV-1998; 98US-0108858P.
PR 18-NOV-1998; 98US-0108904P.
XX (GETH) GENENTECH INC.
XX Baker K, Goddard A, Gurney AL, Smith V, Watanabe CK, Wood WI;
XX WPI; 2000-237871/20.
DR N-PSDB; AAA37096.
XX
XX New mammalian DNA sequences encoding transmembrane, receptor or secreted
PT PRO polypeptides, useful for screening of potential peptide or small
PT molecule inhibitors of the relevant receptor/ligand interactions.
XX
XX Claim 12; Fig 150; 773pp; English.
XX
XX AAA37022 to AAA37144 encode the new isolated human transmembrane,
CC receptor or secreted PRO polypeptides given in AAY99340 to AAY99462. The
CC transmembrane and receptor PRO proteins can be used for screening of
CC potential peptide or small molecule inhibitors of the relevant
CC receptor/ligand interactions. The polypeptides and nucleotide sequences
CC encoding then have various industrial applications, including uses as
CC pharmaceutical and diagnostic agents. AAA37145 to AAA37330 represent PCR
CC primers and hybridisation probes used in the isolation of the PRO
XX polypeptides from the present invention
XX
SQ Sequence 423 AA;

Query Match 100.0%; Score 2265; DB 3; Length 423;
Best Local Similarity 100.0%; Pred. No. 1.7e-195;
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYRDPVVRARVCWEPWVIGLVIFSLIVLAVCIGLTVHYVRYNKKTYNTYLSFTT 60
Db 2 MYRDPVVRARVCWEPWVIGLVIFSLIVLAVCIGLTVHYVRYNKKTYNTYLSFTT 61
QY 61 DKLYAEFGREASNNFTMSORLESVMKNAYFKSPLEEFVKSOVKFQKHGVLHMLL 120
Db 62 DKLYAEFGREASNNFTMSORLESVMKNAYFKSPLEEFVKSOVKFQKHGVLHMLL 121
QY 121 ICRFHSTEDPETVDKIVQLVLEKQLQDVGPKVDPHSVKIKKNTKTDSTYLNHCCGPR 180
Db 122 ICRFHSTEDPETVDKIVQLVLEKQLQDVGPKVDPHSVKIKKNTKTDSTYLNHCCGPR 181
QY 181 RSKTLGQSLRIVGGTEVEGEWGPWQASLOWDGSRCGATLINATWLVSAAHCFITYKNFA 240
Db 182 RSKTLGQSLRIVGGTEVEGEWGPWQASLOWDGSRCGATLINATWLVSAAHCFITYKNFA 241
QY 241 RWTASGVVTKSKMKGRLRIIVHEKYPHSDYDISLAELSSPPYPTNAHVCLCPDA 300
PR

BACKED VS
562 10 #2

Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 301
QY 301 SYEQPGDVMFTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 360
Db 302 SYEQPGDVMFTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 361
QY 361 LEGKTDACQDGGGLVSSDARDIWLAGIVSWGDECAKPNKPGVYTVTALRDWITSKT 420
Db 362 LEGKTDACQDGGGLVSSDARDIWLAGIVSWGDECAKPNKPGVYTVTALRDWITSKT 421
QY 421 GI 422
Db 422 GI 423
RESULT 5
ID AAB66163 standard; protein; 423 AA.
AC AAB66163;
XX 02-APR-2001 (first entry)
DT Protein of the invention #75.
DE Secreted; transmembrane; gene therapy.
KW Unidentified.
OS WO200078961-A1.
FN 28-DEC-2000.
PD 18-FEB-2000; 2000WO-US004342.
PF 23-JUN-1999; 99US-0141037P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 01-SEP-1999; 99WO-US020111.
PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028313.
PR 02-DEC-1999; 99WO-US028551.
PR 16-DEC-1999; 99WO-US030095.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
XX (GETH) GENENTECH INC.
XX Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong SJ;
PI Gao W, Goddard A, Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ;
PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
PI Williams PW, Wood WI;
XX WPI; 2001-071395/08.
XX Secreted and transmembrane proteins and nucleic acids designated PRO,
PT useful as hybridization probes, in chromosome and gene mapping and gene
PT therapy.
XX Claim 1; Fig 150; 787pp; English.
XX The present invention relates to secreted and transmembrane proteins.
CC These proteins and the DNA encoding them may be used as hybridization
CC probes, in chromosome and gene mapping and in the generation of anti-
CC sense RNA and DNA. They may also be used to generate either
CC transgenic animals or knockout animals which are in turn useful for
CC development and screening of therapeutically useful reagents. The nucleic
CC acids may also be used in gene therapy
XX SQ Sequence 423 AA;
Query Match 100.0%; Score 2265; DB 4; Length 423;
Best Local Similarity 100.0%; Pred. No. 1.7e-195;

Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MYRDPVVRARXRCWEPWVIGLVIFISLVLAVCIGLTVHVRVNRNOKKTYNYSTLSFTT 60
Db 2 MYRDPVVRARXRCWEPWVIGLVIFISLVLAVCIGLTVHVRVNRNOKKTYNYSTLSFTT 61
QY 61 DKLYAEFGREASNFTMSQRLSMVKNAFYKSPLEEFVKSQVIFKFSQKHGVLAHMLL 120
Db 62 DKLYAEFGREASNFTMSQRLSMVKNAFYKSPLEEFVKSQVIFKFSQKHGVLAHMLL 121
QY 121 ICRFHSTEDPETVKIVQLVHLHEKLODAVGPPKVDPHSVKIKKINKITDSYLNHCCGTR 180
Db 122 ICRFHSTEDPETVKIVQLVHLHEKLODAVGPPKVDPHSVKIKKINKITDSYLNHCCGTR 181
QY 181 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDSHRCGATLINATWLVSAAHCFTTYKNPA 240
Db 182 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDSHRCGATLINATWLVSAAHCFTTYKNPA 241
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 300
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 301
QY 301 SYEQPGDVMFTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 360
Db 302 SYEQPGDVMFTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 361
QY 361 LEGKTDACQDGGGLVSSDARDIWLAGIVSWGDECAKPNKPGVYTVTALRDWITSKT 420
Db 362 LEGKTDACQDGGGLVSSDARDIWLAGIVSWGDECAKPNKPGVYTVTALRDWITSKT 421
QY 421 GI 422
Db 422 GI 423
RESULT 6
ID AAU01344 standard; protein; 423 AA.
XX AAU01344;
XX 18-JUL-2001 (first entry)
DT Human TANGO 361 amino acid sequence.
DE Human; TANGO 361; transmembrane protein; diagnostic; asthma;
KW immunological disorder; arthritis; graft rejection; renal disorder;
KW AIDS; embryonic disorder; brain; cerebral oedema; ischaemia; tumour;
KW prostate; cerebrovascular disease; pituitary; Cushing's disease;
KW neurodegenerative disease; Parkinson's disease.
XX Homo sapiens.
OS Key
FH Key Location/Qualifiers
FT Peptide 1..35
FT /note= "Signal peptide"
FT Protein 36..423
FT /note= "Mature TANGO 361"
FT Domain 36..216
FT /note= "Cytoplasmic domain"
FT Modified-site 61..63
FT /note= "Protein kinase C phosphorylation site"
FT Modified-site 75..78
FT /note= "Asn is N-glycosylated"
FT Modified-site 80..82
FT /note= "Protein kinase C phosphorylation site"
FT Modified-site 127..130
FT /note= "Casein kinase II phosphorylation site"
FT Modified-site 159..161
FT /note= "Protein kinase C phosphorylation site"
FT Modified-site 166..169
FT /note= "Asn is N-glycosylated"

FT	Modified-site	168..171	/note="Casein kinase II phosphorylation site"
FT	Modified-site	179..184	/note="N-myristylation site"
FT	Modified-site	180..182	/note="Protein kinase C phosphorylation site"
FT	Modified-site	189..191	/note="Protein kinase C phosphorylation site"
FT	Domain	192..417	/note="Serine protease domain"
FT	Modified-site	196..199	/note="Casein kinase II phosphorylation site"
FT	Modified-site	213..218	/note="N-myristylation site"
FT	Modified-site	214..216	/note="Protein kinase C phosphorylation site"
FT	Domain	217..234	/note="Transmembrane domain"
FT	Modified-site	223..226	/note="Asn is N-glycosylated"
FT	Active-site	228..233	/note="Serine protease, histidine active site consensus sequence"
FT	Domain	235..423	/note="Extracellular domain"
FT	Modified-site	236..238	/note="Protein kinase C phosphorylation site"
FT	Modified-site	250..252	/note="Protein kinase C phosphorylation site"
FT	Modified-site	279..282	/note="Casein kinase II phosphorylation site"
FT	Modified-site	317..322	/note="N-myristylation site"
FT	Modified-site	335..338	/note="Casein kinase II phosphorylation site"
FT	Modified-site	341..344	/note="Casein kinase II phosphorylation site"
FT	Modified-site	353..355	/note="Protein kinase C phosphorylation site"
FT	Binding-site	359..366	/note="ATP/GTP binding site motif"
FT	Modified-site	360..365	/note="N-myristylation site"
FT	Active-site	371..375	/note="Serine protease, serine active site consensus sequence"
FT	Modified-site	418..420	/note="Protein kinase C phosphorylation site"
XX			
PN		WO200121631-A2.	
PD		29-MAR-2001.	
PD		20-SEP-2000; 2000WO-US025982.	
XX		20-SEP-1999; 99US-00399723.	
XX		(MILL-) MILLENNIUM PHARM INC.	
XX		Kirst SJ, Sharp JD, Fraser CC, Barnes T, Kingsbury G;	
PI		WPI; 2001-211461/21.	
XX		N-PSDB; AAS02070.	
XX			
XX		New nucleic acid encoding INTERCEPT 307, MANGO 511, TANGO 351, TANGO 361,	
PT		TANGO 499 or TANGO 509 secreted or transmembrane protein, useful for the	
PT		diagnosis and treatment of arthritis, psoriasis and Parkinson's disease.	
XX		Claim 8; Fig 13; 362pp; English.	
XX			
CC		The sequence represents the amino acid sequence of human TANGO 361	
CC		transmembrane protein. The nucleic acid and polypeptide sequences are	
CC		useful for the diagnosis, prognosis and treatment of immunological	

CC disorders (e.g. arthritis, graft rejection and acquired immunodeficiency
 CC syndrome), inflammatory disorders (e.g. psoriasis and asthma), renal
 CC disorders, embryonic disorders, brain-related disorders (e.g. cerebral
 CC edema), cerebrovascular diseases (e.g. ischaemia), tumours, prostate-
 CC related disorders, pituitary-related disorders (e.g. Cushing's disease)
 CC and neurodegenerative diseases (e.g. Parkinson's disease)
 XX
 SQ Sequence 423 AA;

 Query Match 100.0%; Score 2265; DB 4; Length 423;
 Best Local Similarity 100.0%; Pred. No. 1.7e-195;
 Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0

 QY 1 MYRDPVARKRVCWEPWVIGLVIFISLVAVICIGLTWHYVRYNOKTNYVYSLSPTT 60
 DB 2 MYRDPVARKRVCWEPWVIGLVIFISLVAVICIGLTWHYVRYNOKTNYVYSLSPTT 61

 QY 61 DKLYAEFGREASNFTMSQRLESWMVKNAFYKSPLEEFVKSQVTKFSQCKHGVLAHMLL 120
 DB 62 DKLYAEFGREASNFTMSQRLESWMVKNAFYKSPLEEFVKSQVTKFSQCKHGVLAHMLL 121

 QY 121 ICRFHSSTDPTVDKIIQVLVLHEKLQDAVCPKVDPSHKIKKINKTETDSVLNHCCGTR 180
 DB 122 ICRFHSSTDPTVDKIIQVLVLHEKLQDAVGPVKVDPSHKIKKINKTETDSVLNHCCGTR 181

 QY 181 RSKTLGQSRLRVGGTEVEBEGEPWQASLOWDGSRRCGATLINATWLVSAAHCFTTYKNPA 240
 DB 182 RSKTLGQSRLRVGGTEVEBEGEPWQASLOWDGSRRCGATLINATWLVSAAHCFTTYKNPA 241

 QY 241 RWTASFGVTIKPSXMKRGLRRIIVHEKYKPSHDYDISLAELSSPPVYNVHRVCLPDA 300
 DB 242 RWTASFGVTIKPSXMKRGLRRIIVHEKYKPSHDYDISLAELSSPPVYNVHRVCLPDA 301

 QY 301 SYEFOPGDVMFVTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDALTPRMLCAGS 360
 DB 302 SYEFOPGDVMFVTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDALTPRMLCAGS 361

 QY 361 LSGKTDACQDGGSLVSSDARDIWLVLGIVSWGDECAKPNKPGVYTRVTRALRDNWITSKT 420
 DB 362 LSGKTDACQDGGSLVSSDARDIWLVLGIVSWGDECAKPNKPGVYTRVTRALRDNWITSKT 421

 QY 421 GI 422
 DB 422 GI 423

 RESULT 7
 AAU29183
 ID AAU29183 standard; protein; 423 AA.
 XX AAU29183;
 AC
 XX
 DT 18-DEC-2001 (first entry)
 XX
 DE Human PRO polypeptide sequence #160.
 KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
 KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
 KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
 KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.
 XX
 OS Homo sapiens.
 XX
 FN WO200168848-A2.
 XX
 PD 20-SEP-2001.
 XX
 PF 28-FEB-2001; 2001WO-US006520.
 XX
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 03-MAR-2000; 2000US-0187202P.
 PR 06-MAR-2000; 2000US-0186968P.

PR 14-MAR-2000; 2000US-0189320P.
 PR 14-MAR-2000; 2000US-0189328P.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 21-MAR-2000; 2000US-0190828P.
 PR 21-MAR-2000; 2000US-0191007P.
 PR 21-MAR-2000; 2000US-0191048P.
 PR 21-MAR-2000; 2000US-0191314P.
 PR 28-MAR-2000; 2000US-0192655P.
 PR 29-MAR-2000; 2000US-0193032P.
 PR 30-MAR-2000; 2000US-0193053P.
 PR 30-MAR-2000; 2000WO-US00843P.
 PR 04-APR-2000; 2000US-0194449P.
 PR 04-APR-2000; 2000US-0194647P.
 PR 11-APR-2000; 2000US-0195975P.
 PR 11-APR-2000; 2000US-0196000P.
 PR 11-APR-2000; 2000US-0196187P.
 PR 11-APR-2000; 2000US-0196690P.
 PR 11-APR-2000; 2000US-0196820P.
 PR 18-APR-2000; 2000US-0198121P.
 PR 18-APR-2000; 2000US-0198585P.
 PR 25-APR-2000; 2000US-0199397P.
 PR 25-APR-2000; 2000US-0199550P.
 PR 25-APR-2000; 2000US-0199654P.
 PR 03-MAY-2000; 2000US-0201516P.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015284.
 PR 05-JUN-2000; 2000US-0209832P.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 22-AUG-2000; 2000US-00644848.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US034956.
 PA (GETH) GENENTECH INC.
 Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
 PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
 XX WPI; 2001-602746/68.
 DR N-PSDB; AAS46084.
 XX Novel nucleic acids encoding PRO polypeptides, used to diagnose the
 PT presence of tumors, such as prostate and breast tumors, in mammals and to
 PT screen for modulators of the compounds.
 XX Claim 11; Fig 320; 77app; English.
 PS Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.
 CC The PRO polypeptides and their associated nucleic acids can be used to
 CC detect the presence of a tumour in a mammal by comparing the level of
 CC expression of a PRO polypeptide in a test sample of cells from the animal
 CC and a control sample of normal cells, whereby a higher level of
 CC expression in the test sample indicates the presence of a tumour in the
 CC mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats
 CC and rabbits but are preferably human. The polypeptides can be used to
 CC stimulate tumour necrosis factor (TNF) alpha release from human blood,
 CC when contacted with it. A specific polypeptide can be used to stimulate
 CC the proliferation or differentiation of chondrocyte cells. The PRO
 CC proteins can be used to determine the presence of tumours and also
 CC susceptibility to tumour development, particularly adrenal, lung, colon,
 CC breast, prostate, rectal, cervical, or liver tumours, in mammalian
 CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
 CC can be used for genetic analysis of individuals with genetic disorders
 XX SQ Sequence 423 AA;
 Query Match 100.0%; Score 2265; DB 4; Length 423;
 Best Local Similarity 100.0%; Pred. NO. 1.7e-195;
 Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYRPDVVRARKVCWEPWIGLVIFISLIVLAVICIGLTVHYRVYNQKTKYNYSTLSFTT 60
 DB 2 MYRPDVVRARKVCWEPWIGLVIFISLIVLAVICIGLTVHYRVYNQKTKYNYSTLSFTT 61
 QY 61 DKLYAEFGREASNNFTMSQRLSMWKNVAFKSPLEEFVKSOVIFKESQOKHGVLAHMLL 120
 DB 62 DKLYAEFGREASNNFTMSQRLSMWKNVAFKSPLEEFVKSOVIFKESQOKHGVLAHMLL 121
 QY 121 ICRFHSTEDPETVDKIIVQLVLEKLODAVGPVKVSHVKKIKINKTETDSYLNHCCGTR 180
 DB 122 ICRFHSTEDPETVDKIIVQLVLEKLODAVGPVKVSHVKKIKINKTETDSYLNHCCGTR 181
 QY 181 RSKTLGQSLRIVGTEVEGEWPMQASLQMDGSHRCATLINATWLSAAHCFITYKNPA 240
 DB 182 RSKTLGQSLRIVGTEVEGEWPMQASLQMDGSHRCATLINATWLSAAHCFITYKNPA 241
 QY 241 RWTASFGVTIKPSKMKGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 300
 DB 242 RWTASFGVTIKPSKMKGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 301
 QY 301 SYEFQPGDVMEVTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPQAYNDATTPRMLCAGS 360
 DB 302 SYEFQPGDVMEVTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPQAYNDATTPRMLCAGS 361
 QY 361 LEGKTDAQQDGGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTVTALRDWITSKT 420
 DB 362 LEGKTDAQQDGGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTVTALRDWITSKT 421
 QY 421 GI 422
 DB 422 GI 423
 RESULT 8
 AAB87578
 ID AAB87578 standard; protein; 423 AA.
 XX AC AAB87578;
 XX DT 15-MAY-2001 (first entry)
 XX DE Human PRO1461.
 XX KW Human; PRO protein; mapping.
 XX OS Homo sapiens.
 XX PN WO200116318-A2.
 XX PD 08-MAR-2001.
 XX PF 24-AUG-2000; 2000WO-US023328.
 XX PR 01-SEP-1999; 99WO-US020111.
 XX PR 15-SEP-1999; 99WO-US021090.
 XX PR 07-DEC-1999; 99US-0169495P.
 XX PR 09-DEC-1999; 99US-0170262P.
 XX PR 11-JAN-2000; 2000US-0175481P.
 XX PR 18-FEB-2000; 2000WO-US004341.
 XX PR 18-FEB-2000; 2000WO-US004342.
 XX PR 22-FEB-2000; 2000WO-US004414.
 XX PR 01-MAR-2000; 2000WO-US005601.
 XX PR 03-MAR-2000; 2000US-0187202P.
 XX PR 21-MAR-2000; 2000US-0191007P.
 XX PR 30-MAR-2000; 2000WO-US008439.
 XX PR 25-APR-2000; 2000US-0199397P.
 XX PR 22-MAY-2000; 2000WO-US014042.
 XX PR 05-JUN-2000; 2000US-0209832P.
 PA (GETH) GENENTECH INC.
 XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
 PI Grimaldi CJ, Gurney AL, Watanabe CK, Wood WI;

XX WPI: 2001-183260/18.
DR N-PSDB; AAF92110.
XX Eighty four nucleic acids encoding PRO polypeptides, useful in molecular
PT biology, including use as hybridization probes, and in chromosome and
PT gene mapping.
XX Claim 12; Fig 106; 278pp; English.
XX The present sequence is a human PRO polypeptide (secreted and
CC transmembrane). The PRO protein, and PRO agonists, PRO antagonists or
CC anti-PRO antibodies are useful for preparation of a medicament useful in
CC the treatment of a condition which is responsive to the PRO protein,
CC agonists, antagonists or anti-PRO antibodies. The PRO protein may also be
CC employed as molecular weight markers for protein electrophoresis. The PRO
CC coding sequence has applications in molecular biology, including use as
CC hybridisation probes, and in chromosome and gene mapping
XX SQ Sequence 423 AA;
Query Match 100.0%; Score 2265; DB 4; Length 423;
Best Local Similarity 100.0%; Pred. No. 1.7e-195;
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MYRPDVVRARKVCMWEPWVIGLVIFISLVAVICIGLVHYVYNQKTYNYSTLSFTT 60
Db |||||
QY 61 DKLYAEFGREASNNFTMSQRLSEWMVKNFYKSPLEEFVKSOVKESQKHGVLAHMLL 120
Db |||||
QY 62 DKLYAEFGREASNNFTMSQRLSEWMVKNFYKSPLEEFVKSOVKESQKHGVLAHMLL 121
Db |||||
QY 121 ICRFHSTEDPETVDKI VQLVHEKLQDAVGPVKVDPHSVKIKKINKTETDSYLNHCCGTR 180
Db |||||
QY 122 ICRFHSTEDPETVDKI VQLVHEKLQDAVGPVKVDPHSVKIKKINKTETDSYLNHCCGTR 181
Db |||||
QY 181 RSKTLGQSLRIVGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAHCFPTYKNPA 240
Db |||||
QY 182 RSKTLGQSLRIVGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAHCFPTYKNPA 241
Db |||||
QY 241 RWTASFGVTIKPSQMKGLRRIIVHEKYKPSHDIYSLAELSPVPTNAVHRVCLPDA 300
Db |||||
QY 242 RWTASFGVTIKPSQMKGLRRIIVHEKYKPSHDIYSLAELSPVPTNAVHRVCLPDA 301
Db |||||
QY 301 SYEPQGDVMEVTGFGALKNDYQSNHLRQAQVTLIDATTCNEPQAYNDALTTPMLCAGS 360
Db |||||
QY 302 SYEPQGDVMEVTGFGALKNDYQSNHLRQAQVTLIDATTCNEPQAYNDALTTPMLCAGS 361
Db |||||
QY 361 LEGKTDACQDGGGLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTAALRDWITSKT 420
Db |||||
QY 362 LEGKTDACQDGGGLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTAALRDWITSKT 421
QY 421 GI 422
Db |||||
QY 422 GI 423
RESULT 9
ABG95903
ID ABG95903 standard; protein; 423 AA.
XX
AC ABG95903;
XX
DT 10-DEC-2002 (first entry)
XX
DE Human secreted/transmembrane protein PRO1461.
XX
KW Human; secreted protein; transmembrane protein; antirheumatic;
KW antiarthritic; osteopathic; sports-related joint problem;
KW articular cartilage defect; osteoarthritis; rheumatoid arthritis.
XX
OS Homo sapiens.

XX US2002119130-A1.
PN
XX
PD
XX 29-AUG-2002.
PF 06-DEC-2001; 2001US-0006867.
XX
XX 29-OCT-1997; 97US-0063435P.
PR 29-OCT-1997; 97US-0064215P.
PR 22-APR-1998; 98US-0082797P.
PR 23-APR-1998; 98US-0083495P.
PR 15-MAY-1998; 98US-0085579P.
PR 02-JUN-1998; 98US-0087759P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 11-JUN-1998; 98US-0088863P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089653P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 24-JUN-1998; 98US-0090444P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090896P.
PR 26-JUN-1998; 98US-0090862P.
PR 02-JUL-1998; 98US-0091628P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 26-AUG-1998; 98US-0097354P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097979P.
PR 01-SEP-1998; 98US-0098749P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099792P.
PR 10-SEP-1998; 98US-0099812P.
PR 10-SEP-1998; 98US-0099815P.
PR 16-SEP-1998; 98US-0100627P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100930P.
PR 22-SEP-1998; 98US-0101279P.
PR 23-SEP-1998; 98US-0101475P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101916P.
PR 30-SEP-1998; 98US-0102570P.
PR 06-OCT-1998; 98US-0103449P.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021194.
PR 22-DEC-1999; 99WO-US030720.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 01-MAR-2000; 2000WO-US005601.
PR 30-MAR-2000; 2000WO-US008439.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-AUG-2000; 2000WO-US023522.

24-AUG-2000; 2000WO-US023328.
10-NOV-2000; 2000WO-US030873.
01-DEC-2000; 2000WO-US032378.
20-DEC-2000; 2000WO-US034956.
28-FEB-2001; 2001WO-US006520.
01-MAR-2001; 2001WO-US006566.
30-MAY-2001; 2001WO-US017443.
01-JUN-2001; 2001WO-US017800.
20-JUN-2001; 2001WO-US019692.
29-JUN-2001; 2001WO-US021066.
09-JUL-2001; 2001WO-US021735.
(GETH) GENENTECH INC.
Raton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
WPI; 2002-731348/79.
N-PSDB; ABS74430.
New isolated secreted and transmembrane PRO polypeptide useful for
modulating biological activity of a cell, or for treating sports-related
joint problems, osteoarthritis or rheumatoid arthritis.
Claim 20; Fig 106; 399pp; English.
The invention relates to an isolated secreted and transmembrane PRO
polypeptide having 80 % sequence identity to a sequence appearing as
ABG5851-ABG5934 or their associated signal peptide, or a sequence of an
extracellular domain of the proteins with their associated signal peptide
or lacking its associated signal peptide. Also included are the nucleic
acids encoding the proteins, vectors, host cells, fusion proteins and
antibodies which specifically bind to the proteins. The proteins are
useful for detecting a polypeptide designated as A, B, C or D in a sample
suspected of containing an A, B, C or D polypeptide, by contacting the
sample with a polypeptide designated as E, F, G, H or I (or vice versa)
and determining the formation of a A/E, B/F, B/G, C/H or D/I polypeptide
conjugate in the sample, where the formation of the conjugate is
indicative of the presence of an A, B, C or D polypeptide in the sample,
where A is a PRO10272 polypeptide, B is a PRO20110 polypeptide, C is a
PRO10096 polypeptide, D is a PRO19760 polypeptide, E is a PRO3601
polypeptide, F is a PRO1 polypeptide, G is a PRO20040 polypeptide, H is a
PRO20233 polypeptide and I is a PRO1890 polypeptide. The sample comprises
a cell suspected of expressing the A, B, C or D polypeptide. The E, F, G,
H or I polypeptide is labeled with a detectable label or is attached to a
solid support. The proteins are useful for linking a bioactive molecule
to a cell expressing a polypeptide designated as A, B, C or D or E, F, G,
H or I. The bioactive molecule is a toxin, a radiolabel or an antibody.
The bioactive molecule causes death of the cell. A, B, C, D, E, F, G, H,
or I, or antibodies against them are useful for modulating a biological
activity of a cell expressing a polypeptide designated as A, B, C or D or
E, F, G, H, or I. The cell is killed. The proteins are useful for
identifying agonists or antagonists, for the preparation of a medicament
useful in the treatment of a condition which is responsive to the
proteins, as molecular weight markers for protein electrophoresis
purposes, and as therapeutic agents for treating sports-related joint
problems, articular cartilage defects, osteoarthritis or rheumatoid
arthritis. Nucleic acids encoding the proteins are useful as
hybridisation probes, in chromosome and gene mapping, in the generation
of anti-sense RNA and DNA, for the preparation of the proteins, to
generate transgenic or knockout animals which are useful in the
development and screening of therapeutic useful reagents, for chromosome
identification, and in gene therapy. The antibody is useful as a
therapeutic agent, in a diagnostic assay and for affinity purification of
the protein from recombinant cell culture natural sources. The present
invention represents a novel secreted or transmembrane protein of the

Query Match 100.0%; Score 2265; DB 5; Length 423;
Best Local Similarity 100.0%; Pred. No. 1.7e-195;
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYRPDVVRARKEVCWEPWIGLVIFISLIVLAVCIGLTVHYVRYNOKKTYNYSTLSFTT 60
DB 2 MYRPDVVRARKEVCWEPWIGLVIFISLIVLAVCIGLTVHYVRYNOKKTYNYSTLSFTT 61
QY 61 DKLYAFGREGASNNFTMSORLESVMYKNAFYKSPLEEFVKQVIFKPSQOKHGVLAHMLL 120
DB 62 DKLYAFGREGASNNFTMSORLESVMYKNAFYKSPLEEFVKQVIFKPSQOKHGVLAHMLL 121
QY 121 ICRFHSTEDPETVDKIVQLVLEHEKQDVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 180
DB 122 ICRFHSTEDPETVDKIVQLVLEHEKQDVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 181
QY 181 RSKTLQCSLRIVGGTEVERGEWEPQASLOWGDSHRCGATLINATWLVSAAHCFTTYKNPA 240
DB 182 RSKTLQCSLRIVGGTEVERGEWEPQASLOWGDSHRCGATLINATWLVSAAHCFTTYKNPA 241
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHBKYPHSHDYDISLAELSSPVPYTNVHRVCLPDA 300
DB 242 RWTASFGVTIKPSKMKRGLRRIIVHBKYPHSHDYDISLAELSSPVPYTNVHRVCLPDA 301
QY 301 SYEFQPDYMFVTGFGALKNDGYSONHLRQAOVTLIDATTCNEPOAYNDAITPRMLCAGS 360
DB 302 SYEFQPDYMFVTGFGALKNDGYSONHLRQAOVTLIDATTCNEPOAYNDAITPRMLCAGS 361
QY 361 LEGKTDACQDSDGGLVSSDARDIWIYLAGIVSWGDECAKPNKPGVYTRVTRALRDWITSKT 420
DB 362 LEGKTDACQDSDGGLVSSDARDIWIYLAGIVSWGDECAKPNKPGVYTRVTRALRDWITSKT 421
QY 421 GI 422
DB 422 GI 423

RESULT 10

ABP43883
ID ABP43883 standard; protein; 423 AA.
AC ABP43883;
XX ABP43883;
DT 26-FEB-2003 (first entry)
XX Human PRO1451 protein.
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XX Neuroprotective; immunomodulator; cancer; chromosome 4; cytostatic;
XX anti-inflammatory; gene therapy; nutritional supplement; wound; burn;
XX ulcer; Alzheimer's disease; Huntington's disease;
XX amyotrophic lateral sclerosis; autoimmune disorder; inflammation;
XX vulnerability.
OS Homo sapiens.
PN WO200231111-A2.
XX
PD 18-APR-2002.
XX
PF 11-OCT-2001; 2001WO-US027760.
XX
PR 12-OCT-2000; 2000US-00687527.
XX (HYSE-) HYSEQ INC.
XX Tang YT, Liu C, Zhou P, Asundi V, Zhang J, Zhao QA, Ren F;
XX Xue AJ, Yang Y, Wehrman T, Drmanac RT;
XX WPI; 2002-426278/45.
DR N-PSDB; ABQ61127.
XX
XX New polypeptides and their encoded proteins, useful as nutritional
XX sources or supplements, or in gene therapy, particularly for treating
XX wounds, Alzheimer's disease, amyotrophic lateral sclerosis, cancer or
XX inflammation.

PR	05-JUN-1998;	98US-0088202P.	PR	09-SEP-1998;	98US-0099602P.
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Db	2 MIRDPVVRARVCWEPWVIGLVIFISLIVLAVCIGLTVHVRVNOXKKNYXSTLSFTT	61	Db	2 MIRDPVVRARVCWEPWVIGLVIFISLIVLAVCIGLTVHVRVNOXKKNYXSTLSFTT	61
Qy	61 DKLYAEFGREASNNFTMSQRLSWMVKNAFYKSPLEEFVKVSQVIFKSQKHGVLAHMLL	120	Qy	61 DKLYAEFGREASNNFTMSQRLSWMVKNAFYKSPLEEFVKVSQVIFKSQKHGVLAHMLL	120
Db	62 DKLYAEFGREASNNFTMSQRLSWMVKNAFYKSPLEEFVKVSQVIFKSQKHGVLAHMLL	121	Db	62 DKLYAEFGREASNNFTMSQRLSWMVKNAFYKSPLEEFVKVSQVIFKSQKHGVLAHMLL	121
Qy	121 ICRFHSTEDPETVDKIVOLVHLHEKLODVGPPKVDPHSVKIKKINKTETDSYLNHCCTR	180	Qy	121 ICRFHSTEDPETVDKIVOLVHLHEKLODVGPPKVDPHSVKIKKINKTETDSYLNHCCTR	180
Db	122 ICRFHSTEDPETVDKIVOLVHLHEKLODVGPPKVDPHSVKIKKINKTETDSYLNHCCTR	181	Db	122 ICRFHSTEDPETVDKIVOLVHLHEKLODVGPPKVDPHSVKIKKINKTETDSYLNHCCTR	181
Qy	181 RSKTLGOSLRIVGGTEVEEGEWPQASLOWDGSRCGATLINATWLVSAAHCFTTYKNPA	240	Qy	181 RSKTLGOSLRIVGGTEVEEGEWPQASLOWDGSRCGATLINATWLVSAAHCFTTYKNPA	240
Db	182 RSKTLGOSLRIVGGTEVEEGEWPQASLOWDGSRCGATLINATWLVSAAHCFTTYKNPA	241	Db	182 RSKTLGOSLRIVGGTEVEEGEWPQASLOWDGSRCGATLINATWLVSAAHCFTTYKNPA	241
Qy	241 RWTASFGVTIKPSKMKGLRRIIVHEKYKHPSHDYDISLAELSPVPYTNVAVHVCPLPDA	300	Qy	241 RWTASFGVTIKPSKMKGLRRIIVHEKYKHPSHDYDISLAELSPVPYTNVAVHVCPLPDA	300
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Qy	301 SYEFQPGDVMFVTGFGALKNDGYSONHLRQAVTLIDATTCNEFQAYNDALTPRMLCAGS	360	Qy	301 SYEFQPGDVMFVTGFGALKNDGYSONHLRQAVTLIDATTCNEFQAYNDALTPRMLCAGS	360
Db	302 SYEFQPGDVMFVTGFGALKNDGYSONHLRQAVTLIDATTCNEFQAYNDALTPRMLCAGS	361	Db	302 SYEFQPGDVMFVTGFGALKNDGYSONHLRQAVTLIDATTCNEFQAYNDALTPRMLCAGS	361
Qy	361 LEGKTDACQDGGGGLVSSDARDIWLAYLGIYSWGDECAKPNKPGVYTRVTLALRDWITSKT	420	Qy	361 LEGKTDACQDGGGGLVSSDARDIWLAYLGIYSWGDECAKPNKPGVYTRVTLALRDWITSKT	420
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Qy	421 GI 422		Qy	421 GI 422	

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Best Local Similarity 100.0%; Pred. No. 1.7e-195; Mismatches 0; Indels 0; Gaps 0;

Matches 422; Conservative 0;

Db 422 GI 423

RESULT 12
ABU88107
ABU88107 standard; protein; 423 AA.

XX AC ABU88107;
XX DT 07-JUL-2003 (first entry)
XX DE Novel human secreted and transmembrane protein PRO1461.
XX KW Human; secreted and transmembrane protein; PRO; gene therapy;
KW tumour necrosis factor-alpha release; TNF-alpha release;
KW chondrocyte proliferation; chondrocyte differentiation; tumour;
KW adrenal tumour; lung tumour; colon tumour; breast tumour;
KW prostate tumour; rectal tumour; cervical tumour; liver tumour.
XX OS Homo sapiens.
XX PN US2003032127-A1.
XX PD 13-FEB-2003.
XX PF 26-JUN-2002; 2002US-00183012.
XX PR 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
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10-JUN-1998	PR	98US-0088740P
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10-JUN-1998	PR	98US-0088826P
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11-JUN-1998	PR	98US-0088863P
11-JUN-1998	PR	98US-0088876P
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16-JUN-1998	PR	98US-0089538P
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19-JUN-1998	PR	98US-0089952P
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02-OCT-1998;	98US-0102965P.			
06-OCT-1998;	98US-0103258P.			
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07-OCT-1998;	98US-0016897B.			
1	MYRPDVVRARKVQVCEPFWIGLVIFISLIVLAVICIGLTVHVVYRNOKKTYNYISTLSFTT	60		
2	MYRPDVVRARKVQVCEPFWIGLVIFISLIVLAVICIGLTVHVVYRNOKKTYNYISTLSFTT	61		
61	DKLIYAFFGREASNNFTMSQRLSESMVKNAFYKSPLEEFVKSQVIKFSQQKHGVLAHMLL	120		
62	DKLIYAFFGREASNNFTMSQRLSESMVKNAFYKSPLEEFVKSQVIKFSQQKHGVLAHMLL	121		
121	ICRFHSTEDPETVDKIIVQLVHLPEKLODAVGPPKVDPHSVKIKTKINKTETSDSYLNHCCGTR	180		
122	ICRFHSTEDPETVDKIIVQLVHLPEKLODAVGPPKVDPHSVKIKTKINKTETSDSYLNHCCGTR	181		
181	RSKTLGOSLRIVCGTEVEEGEPWQASIQWDGSHRCGATLLNATWLVSAAHCFITYKNPA	240		
182	RSKTLGOSLRIVCGTEVEEGEPWQASIQWDGSHRCGATLLNATWLVSAAHCFITYKNPA	241		
241	RWTASFQVTTIKPSMKKEGLRRIIVHEKYKHPSHDYDISLAELSSFPVPTNVAHVRCVCLPDA	300		
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301	SYEPFQGDVNFVTGFGALKNDGYIQNHRLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS	360		
302	SYEPFQGDVNFVTGFGALKNDGYIQNHRLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS	361		
361	LEGKTDACQDGGSGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKT	420		
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421	GI 422			
422	GI 423			
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XX	ABR66296 standard; protein; 423 AA.			
AC	ABR66296;			
DT	05-AUG-2003 (first entry)			
XX	Human secreted polypeptide P01461, SEQ ID NO:320.			
DE				
XX	Human; PRO; secreted protein; transmembrane protein;			
KW	extracellular domain; tumour necrosis factor-alpha; TNF-alpha;			
KW	chondrocyte; proliferation; differentiation; cartilage disorder;			
KW	bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;			
KW	adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;			
KW	liver; drug screening; transgenic animal; genetic analysis;			
XX	antiarthritic; vulnery; gene therapy.			
OS	Homo sapiens.			
XX				
PN	US2003027278-A1.			
FD				
XX	06-FEB-2003.			
PF				
XX	21-JUN-2002; 2002US-00176987.			
DB	18-SEP-1997; 97US-0059263P			

PR	17-AUG-1998;	98US-0096897P.	PR	242	RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA	301
PR	18-AUG-1998;	98US-0096949P.	QY	301	SYEFQPGDVMFVTGFGALKNDGYSQNHLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS	360
PR	18-AUG-1998;	98US-0096959P.	Db	302	SYEFQPGDVMFVTGFGALKNDGYSQNHLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS	361
PR	26-AUG-1998;	98US-0097952P.	QY	361	LEGKTDACQDSDGSGPLVSSDARDIWYLAGIVSWGDECAKPNKPGVYTRVTLALRDWITSKT	420
PR	26-AUG-1998;	98US-0097955P.	Db	362	LEGKTDACQDSDGSGPLVSSDARDIWYLAGIVSWGDECAKPNKPGVYTRVTLALRDWITSKT	421
PR	26-AUG-1998;	98US-0097971P.	QY	421	GI	422
PR	26-AUG-1998;	98US-0097974P.	Db	422	GI	423
PR	26-AUG-1998;	98US-0098014P.	Search completed: May 13, 2004, 16:32:33			
PR	01-SEP-1998;	98US-0098716P.	Job time : 52.5 secs			
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PR	02-SEP-1998;	98US-0098803P.				
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PR	15-SEP-1998;	98US-0099812P.				
PR	16-SEP-1998;	98US-0100388P.				
PR	16-SEP-1998;	98US-0100662P.				
PR	16-SEP-1998;	98US-0100664P.				
PR	16-SEP-1998;	98US-0101751P.				
PR	16-SEP-1998;	98WO-US019330.				
PR	17-SEP-1998;	98US-0100683P.				
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PR	17-SEP-1998;	98US-0100919P.				
PR	17-SEP-1998;	98US-0100930P.				
PR	18-SEP-1998;	98US-0100849P.				
PR	18-SEP-1998;	98US-0101014P.				
PR	18-SEP-1998;	98US-0101068P.				
PR	23-SEP-1998;	98US-0101471P.				
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PR	24-SEP-1998;	98US-0101738P.				
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PR	24-SEP-1998;	98US-0101743P.				
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PR	25-SEP-1998;	98US-0101786P.				
PR	29-SEP-1998;	98US-0102207P.				
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PR	29-SEP-1998;	98US-0102330P.				
PR	29-SEP-1998;	98US-0102331P.				
PR	30-SEP-1998;	98US-0102487P.				
PR	30-SEP-1998;	98US-0102570P.				
PR	30-SEP-1998;	98US-0102571P.				
PR	01-OCT-1998;	98US-0102684P.				
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Query Match		100.0%;	Score 2265;	DB 6;	Length 423;
Best Local Similarity		100.0%;	Pred. No. 1.7e-195;		
Matches 422;		Conservative	0;	Mismatches	0;
				Indels	0;
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QY	1	MYRPDVVRARKVRCWEPWIGLVIFISLIVLAVCIGLTVHYVRVYNQKKNYISLTSFTT	60		
Db	2	MYRPDVVRARKVRCWEPWIGLVIFISLIVLAVCIGLTVHYVRVYNQKKNYISLTSFTT	61		
QY	61	DKLYAEFGREASNNFTMSQLESNMVKNFYKSPLEEFVKSOVIKFSQKHGVLAHML	120		
Db	62	DKLYAEFGREASNNFTMSQLESNMVKNFYKSPLEEFVKSOVIKFSQKHGVLAHML	121		
QY	121	ICRHFSTEDPTVDKIIVQLVLEKLDQAVGPKVDPHSVKI	180		
Db	122	ICRHFSTEDPTVDKIIVQLVLEKLDQAVGPKVDPHSVKI	181		
QY	181	RSKTLGQSLRIVGTEVEEGEWPWQASLQWDGSHRCGATLINATWLVSAACFTTYKNPA	240		
Db	182	RSKTLGQSLRIVGTEVEEGEWPWQASLQWDGSHRCGATLINATWLVSAACFTTYKNPA	241		
QY	241	RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA	300		

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 15, 2004, 23:50:33 ; Search time 653.5 Seconds
(without alignments)
10214.950 Million cell r

Title: US-09-674-035B-3
perfect score: 1471
Sequence: i tcaacttgaatgtatgacctcg.....tgcttcatgcacaaaaaaa 1471

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2947324 seqs, 2269024515 residues

Total number of hits satisfying chosen parameters: 5894648

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Minimum DB seq length: 0
Maximum DB seq length: 20000000000
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Database : Published Applications_NA.*
1: /cgn2_6/pdata/2/pubpna/US07_PUBCOMB.seq.*
2: /cgn2_6/pdata/2/pubpna/PCT_NEW_PUB.seq.*
3: /cgn2_6/pdata/2/pubpna/US06_NEW_PUB.seq.*
4: /cgn2_6/pdata/2/pubpna/US06_PUBCOMB.seq.*
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13: /cgn2_6/pdata/2/pubpna/US09_NEW_PUB.seq.*
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16: /cgn2_6/pdata/2/pubpna/US10C_PUBCOMB.seq.*
17: /cgn2_6/pdata/2/pubpna/US10_NEW_PUB.seq.*
18: /cgn2_6/pdata/2/pubpna/US60_NEW_PUB.seq.*
19: /cgn2_6/pdata/2/pubpna/US60_PUBCOMB.seq.*
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SUMMARIES

Result No.	Score	Query %		Length	DB	ID	Description
		Match					
1	1469.8	99.9	1471	16	US-10-156-214A-27	Sequence 27, Appl	
2	1469.8	99.9	1471	16	US-10-156-214A-40	Sequence 40, Appl	
3	1445.2	98.2	5058	10	US-08-796-753-145	Sequence 145, App	
4	1434.6	97.5	2103	13	US-08-946-374-268	Sequence 268, App	
5	1434.6	97.5	2103	12	US-10-015-395A-268	Sequence 268, App	
6	1434.6	97.5	2103	13	US-10-206-915-319	Sequence 319, App	
7	1434.6	97.5	2103	13	US-10-199-670-319	Sequence 319, App	
8	1434.6	97.5	2103	13	US-10-201-858-319	Sequence 319, App	
9	1434.6	97.5	2103	13	US-10-205-890-319	Sequence 319, App	
10	1434.6	97.5	2103	13	US-10-208-024-319	Sequence 319, App	
11	1434.6	97.5	2103	13	US-10-201-853-319	Sequence 319, App	
12	1434.6	97.5	2103	13	US-10-063-745-105	Sequence 105, App	
13	1434.6	97.5	2103	13	US-10-063-512-105	Sequence 105, App	
14	1434.6	97.5	2103	13	US-10-063-513-105	Sequence 105, App	

15	1434.6	97.5	2103	13	US-10-063-549-105	Sequence 105, App
16	1434.6	97.5	2103	13	US-10-063-569-105	Sequence 105, App
17	1434.6	97.5	2103	13	US-10-063-551-105	Sequence 105, App
18	1434.6	97.5	2103	13	US-10-174-581-319	Sequence 319, App
19	1434.6	97.5	2103	13	US-10-176-483-319	Sequence 319, App
20	1434.6	97.5	2103	13	US-10-176-483-319	Sequence 319, App
21	1434.6	97.5	2103	13	US-10-176-749-319	Sequence 319, App
22	1434.6	97.5	2103	13	US-10-176-914-319	Sequence 319, App
23	1434.6	97.5	2103	13	US-10-176-914-319	Sequence 319, App
24	1434.6	97.5	2103	13	US-10-006-485A-368	Sequence 268, App
25	1434.6	97.5	2103	13	US-10-013-907A-368	Sequence 268, App
26	1434.6	97.5	2103	13	US-10-015-499A-368	Sequence 268, App
27	1434.6	97.5	2103	13	US-10-063-555-105	Sequence 105, App
28	1434.6	97.5	2103	13	US-10-063-563-105	Sequence 105, App
29	1434.6	97.5	2103	13	US-10-063-554-105	Sequence 105, App
30	1434.6	97.5	2103	13	US-10-063-554-105	Sequence 105, App
31	1434.6	97.5	2103	13	US-10-176-484-319	Sequence 319, App
32	1434.6	97.5	2103	13	US-10-180-550-319	Sequence 319, App
33	1434.6	97.5	2103	13	US-10-183-014-319	Sequence 319, App
34	1434.6	97.5	2103	13	US-10-187-738-319	Sequence 319, App
35	1434.6	97.5	2103	13	US-10-187-740-319	Sequence 319, App
36	1434.6	97.5	2103	13	US-10-187-883-319	Sequence 319, App
37	1434.6	97.5	2103	13	US-10-194-363-319	Sequence 319, App
38	1434.6	97.5	2103	13	US-10-194-460-319	Sequence 319, App
39	1434.6	97.5	2103	13	US-10-194-463-319	Sequence 319, App
40	1434.6	97.5	2103	13	US-10-194-484-319	Sequence 319, App
41	1434.6	97.5	2103	13	US-10-195-884-319	Sequence 319, App
42	1434.6	97.5	2103	13	US-10-195-896-319	Sequence 319, App
43	1434.6	97.5	2103	13	US-10-196-744-319	Sequence 319, App
44	1434.6	97.5	2103	13	US-10-196-755-319	Sequence 319, App
45	1434.6	97.5	2103	13	US-10-196-757-319	Sequence 319, App

ALIGNMENTS

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RESULT 1
US-10-156-214A-27
; Sequence 27, Application US/10156214A
; Publication No. US20040001801A1
; GENERAL INFORMATION:
; APPLICANT: Edwin L. Madison
; APPLICANT: Joseph Edward Semple
; APPLICANT: George P. Vlasuk
; APPLICANT: Scott Jeffrey Kemp
; APPLICANT: Mallareddy Komandla
; APPLICANT: Daniel Vanna Siev
; TITLE OF INVENTION: Conjugates Activated By Cell Surface Proteases and Therapeutic
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: 24745-1611
; CURRENT APPLICATION NUMBER: US/10/156,214A
; CURRENT FILING DATE: 2002-05-23
; NUMBER OF SEQ ID NOS: 611
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 1471
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (626)...(1324)
; OTHER INFORMATION: DESCL gene
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (56)...(1324)
; OTHER INFORMATION: protease domain
US-10-156-214A-27

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Query Match 99.9%; Score 1469.8; DB 16; Length 1471;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1469; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGACTGGAGTGTAGACCTCGACCTTCACAGAGCTCTTCATGCTGGTGGCAATGATGTA 60

Db 121 CGTCATSTTCATATCCCTGATGTCCTGSCAGTGTGCATTGGASTCACTGTCATTATGT 180
Qy 181 GAGATATAATCAAAAGAACCTTACAAATTAATAGACATTTAGACATTTCACTGATGAT 240
Db 181 GAGATATAATCAAAAGAACCTTACAAATTAATAGACATTTAGACATTTCACTGATGAT 240
Qy 241 ACTATATGCTGAGTTTGGCAGAGAGGCTTCTAAACATTTTACAGAAATGAGCCAGAGCT 300
Db 241 ACTATATGCTGAGTTTGGCAGAGAGGCTTCTAAACATTTTACAGAAATGAGCCAGAGCT 300
Qy 301 TGAATCAATGGTGAATAATGCAATTTTAAATCTCCATTAAGGGAAGAATTTGTCAGATC 360
Db 301 TGAATCAATGGTGAATAATGCAATTTTAAATCTCCATTAAGGGAAGAATTTGTCAGATC 360
Qy 361 TCAGGTTATCAAGTTTCAGTCAACAGAGAGCTGAGTGTGGCTCATATGCTGTTGATTTG 420
Db 361 TCAGGTTATCAAGTTTCAGTCAACAGAGAGCTGAGTGTGGCTCATATGCTGTTGATTTG 420
Qy 421 TAGATTTCACTCTACTGAGGATCTGAAACCTGTAGATAAAATTTGTTCAACTGTTTACA 480
Db 421 TAGATTTCACTCTACTGAGGATCTGAAACCTGTAGATAAAATTTGTTCAACTGTTTACA 480
Qy 481 TGAATAAGCTCAAGATGCTGTAGGACCCCTTAAAGTAGATCCTCACTCAGTTAAATTA 540
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Qy 541 AAAAATCAACAGACAGAAACAGACAGATCTCTAAACATTTGCTGCGGAAACAGAGAG 600
Db 541 AAAAATCAACAGACAGAAACAGACAGATCTCTAAACATTTGCTGCGGAAACAGAGAG 600
Qy 601 TAAAACTAGTCTGAGTCTCAGATCTGTTGGGACAGAGTAGAGAGGGTGAATG 660
Db 601 TAAAACTAGTCTGAGTCTCAGATCTGTTGGGACAGAGTAGAGAGGGTGAATG 660
Qy 661 GCCCTGGCAGGCTAGCCTGAGTGGATGGAGTGGAGTCACTGCTGTGGAGCAACCTTAATTA 720
Db 661 GCCCTGGCAGGCTAGCCTGAGTGGATGGAGTGGAGTCACTGCTGTGGAGCAACCTTAATTA 720
Qy 721 TGCCACATGGTGTGAGTGTGCTCAGTCTGTTTACACATATAGAACCTTCCGAGATG 780
Db 721 TGCCACATGGTGTGAGTGTGCTCAGTCTGTTTACACATATAGAACCTTCCGAGATG 780
Qy 781 GACTGCTCTTGGAGTAAACATAAAACCTTGGAAATGAAACGGGCTCCGAGAGAT 840
Db 781 GACTGCTCTTGGAGTAAACATAAAACCTTGGAAATGAAACGGGCTCCGAGAGAT 840
Qy 841 AATTGCTCATGAAATAACAAACACCCATCAGTACTATGATATTTCTCTTGCAGAGCT 900
Db 841 AATTGCTCATGAAATAACAAACACCCATCAGTACTATGATATTTCTCTTGCAGAGCT 900
Qy 901 TTCTAGCCCTGTTCCCTACACAAATGACATAGATTTGCTCCCTGATGATCCTTA 960
Db 901 TTCTAGCCCTGTTCCCTACACAAATGACATAGATTTGCTCCCTGATGATCCTTA 960
Qy 961 TGAGTTTCAACAGAGTGTGATGTTTGTGACAGGATTTGAGCACTGAAATGATGG 1020
Db 961 TGAGTTTCAACAGAGTGTGATGTTTGTGACAGGATTTGAGCACTGAAATGATGG 1020
Qy 1021 TTACAGTCAAAATCATTTTCGACAGACAGCAGGTGACTCTCATAGAGCTTACACTGCA 1080
Db 1021 TTACAGTCAAAATCATTTTCGACAGACAGCAGGTGACTCTCATAGAGCTTACACTGCA 1080
Qy 1081 TGAACCTCAAGCTTCAATGACGCCATACTCCTAGATGTTATGTTGGTCCCTTTAGA 1140
Db 1081 TGAACCTCAAGCTTCAATGACGCCATACTCCTAGATGTTATGTTGGTCCCTTTAGA 1140
Qy 1141 AGCAAAAACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1200
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Db 1201 AGATATCTGGTACCTTGTGGAATAGTGTGAGCTCGGAGAGATGAAATGTGCGAAACCCAA 1260
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Qy 1321 CTAAAGAGAGAAAGCCCTCATGGAACAGATAAATTTTTTTTTTTTGGTGGTGGAGG 1380
Db 1321 CTAAAGAGAGAAAGCCCTCATGGAACAGATAAATTTTTTTTTTTTGGTGGTGGAGG 1380
Qy 1381 CCATTTTGTAGATACAGATTTGGAGAGACTTGCAGAAACAGCTAGATTTGACTGATCTC 1440
Db 1381 CCATTTTGTAGATACAGATTTGGAGAGACTTGCAGAAACAGCTAGATTTGACTGATCTC 1440
Qy 1441 AATAAATCTGTTGCTGATGCAAAAAA 1471
Db 1441 AATAAATCTGTTGCTGATGCAAAAAA 1471

RESULT 3
US-09-796-753-145
; Sequence 145, Application US/09796753
; Publication No. US20030027998A1
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean A.
; TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
; FILE REFERENCE: 7853-227-999
; CURRENT APPLICATION NUMBER: US/09796,753
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 09/183,175
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 09/223,094
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/223,546
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/224,246
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/259,388
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/122,458
; PRIOR FILING DATE: 1999-03-01
; PRIOR APPLICATION NUMBER: 09/312,359
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/336,536
; PRIOR FILING DATE: 1999-06-18
; PRIOR APPLICATION NUMBER: 09/342,687
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 09/345,464
; PRIOR FILING DATE: 1999-06-30
; PRIOR APPLICATION NUMBER: 09/365,164
; PRIOR FILING DATE: 1999-07-30
; PRIOR APPLICATION NUMBER: 09/399,723
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; PRIOR FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: 09/471,179
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 09/474,071
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; PRIOR APPLICATION NUMBER: 09/514,010
; PRIOR FILING DATE: 2000-02-25
; PRIOR APPLICATION NUMBER: 09/516,745
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/572,002
; PRIOR FILING DATE: 2000-05-14
; PRIOR APPLICATION NUMBER: 09/597,993
; PRIOR FILING DATE: 2000-06-19
; PRIOR APPLICATION NUMBER: 09/599,596
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 09/630,334
; PRIOR FILING DATE: 2000-07-31

;; PRIORITY NUMBER: 09/606.565
;; PRIORITY DATE: 2000-06-29
;; PRIORITY NUMBER: 09/606.317
;; PRIORITY DATE: 2000-06-29
;; PRIORITY NUMBER: 09/665.666
;; PRIORITY DATE: 2000-09-20
;; PRIORITY NUMBER: 09/677.751
;; PRIORITY DATE: 2000-09-30
;; NUMBER OF SEQ ID NOS: 162
;; SEQ ID NO 145
;; LENGTH: 5058
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-796-753-145

Query Match 98.2%; Score 1445.2; DB 10; Length 5058;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1447; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 73 GGTGAGGGCTAGGAAAGAGTTTGTGGGAACCCCTGGGTTATCGGCCCTCGTCATGTTTCA 132
DB 61 GGTGAGGGCTAGGAAAGAGTTTGTGGGAACCCCTGGGTTATCGGCCCTCGTCATGTTTCA 120
QY 133 ATCCCTGATTGCTCGGAGTGTGCATTTGAGTCACTGTTTCACTGTTTATGAGATATATCA 192
DB 121 ATCCCTGATTGCTCGGAGTGTGCATTTGAGTCACTGTTTCACTGTTTATGAGATATATCA 180
QY 193 AAAGAAGACCTTACATTTACTATAGACATTTGCTCACTTACAACTGACAACTTATATGCTGA 252
DB 181 AAAGAAGACCTTACATTTACTATAGACATTTGCTCACTTACAACTGACAACTTATATGCTGA 240
QY 253 GTTTGGCAGAGAGGCTTCTAACTTTTACAGAAATGAGCAGAGACTTGAATCAATGGT 312
DB 241 GTTTGGCAGAGAGGCTTCTAACTTTTACAGAAATGAGCAGAGACTTGAATCAATGGT 300
QY 313 GAAAAATGCATTTTATTAATCTCCATTAAGGAGAAATTTGTCAAGTCTCAGGTTATCAA 372
DB 301 GAAAAATGCATTTTATTAATCTCCATTAAGGAGAAATTTGTCAAGTCTCAGGTTATCAA 360
QY 373 GTTCAGTCAACAGAGAGTGGTGGCTCATATGCTGTTGATTTGTAGATTTCACTC 432
DB 361 GTTCAGTCAACAGAGAGTGGTGGCTCATATGCTGTTGATTTGTAGATTTCACTC 420
QY 433 TACTGAGATCCTGAACTGTAGATAAAATTTGTTCAAATGTTTTCATGAAAGAGTGCA 492
DB 421 TACTGAGATCCTGAACTGTAGATAAAATTTGTTCAAATGTTTTCATGAAAGAGTGCA 480
QY 493 AGATGCTGTAGGACCCCTTAAGTAGATCCTCACTCACTGTTAAATTTAAATAAATCAAA 552
DB 481 AGATGCTGTAGGACCCCTTAAGTAGATCCTCACTCACTGTTAAATTTAAATAAATCAAA 540
QY 553 GACAGAAACAGACAGCTATCTAAACCAATGCTGGGAAACAGAAAGATTAATACTTAGG 612
DB 541 GACAGAAACAGACAGCTATCTAAACCAATGCTGGGAAACAGAAAGATTAATACTTAGG 600
QY 613 TCAGAGTCTCAGGATCGTTTGTGGGACAGAAATGAGAGGGTGAATGGCCCTGGGAGGC 672
DB 601 TCAGAGTCTCAGGATCGTTTGTGGGACAGAAATGAGAGGGTGAATGGCCCTGGGAGGC 660
QY 673 TAGCCTGAGTGGGATGGAGTGTGCTGCTGGAGCACTTAAATTAATGACCATGGCT 732
DB 661 TAGCCTGAGTGGGATGGAGTGTGCTGCTGGAGCACTTAAATTAATGACCATGGCT 720
QY 733 TGTGAGTGTCTCTCACTGTTTTCACATATAAGAACCCCTGCCAGATGGAGTGTCTCTT 792
DB 721 TGTGAGTGTCTCTCACTGTTTTCACATATAAGAACCCCTGCCAGATGGAGTGTCTCTT 780
QY 793 TGGAGTAAATAAATCACTTGAATAAATGAACCGGGTCTCGGAGATAAATGTCCATGA 852

DB 781 TGGAGTAAACATAAAACCTTCGAAATGAAACGGGCTCTCGGAGATAATTTGTCATGA 840
QY 853 AAAATACAAACACCCATCAGATGATGATATTTCTCTTGCAGAGCTTTCTAGCCCTGT 912
DB 841 AAAATACAAACACCCATCAGATGATGATATTTCTCTTGCAGAGCTTTCTAGCCCTGT 900
QY 913 TCCCTACACAAATGCAAGTACATAGATTTGCTCTCCCTGATGATCCTATGAGTTTCAACC 972
DB 901 TCCCTACACAAATGCAAGTACATAGATTTGCTCTCCCTGATGATCCTATGAGTTTCAACC 960
QY 973 AGGTGATGTGATGTTTGTGACAGGATTTGGAGCACTGAAATAATGATGGTTTACAGTCAAAA 1032
DB 961 AGGTGATGTGATGTTTGTGACAGGATTTGGAGCACTGAAATAATGATGGTTTACAGTCAAAA 1020
QY 1033 TCATCTTCGACAGCAGAGTGTGATCTCATAGAGCTGATCACTGAACTGAACTGAACTCAAGC 1092
DB 1021 TCATCTTCGACAGCAGAGTGTGATCTCATAGAGCTGATCACTGAACTGAACTGAACTCAAGC 1080
QY 1093 TTCAATGACGCGCATAACTCTTAGAATGTTATGCTGCTGCTCTTAGAAGGAAAAACAGA 1152
DB 1081 TTCAATGACGCGCATAACTCTTAGAATGTTATGCTGCTGCTCTTAGAAGGAAAAACAGA 1140
QY 1153 TGCATGCGAGGCTGACTTGGAGGACCACTGGTTAGTTTCAAGTCTGATGATATCTGGTA 1212
DB 1141 TGCATGCGAGGCTGACTTGGAGGACCACTGGTTAGTTTCAAGTCTGATGATATCTGGTA 1200
QY 1213 CTTGCTGGAATGATGAGCTCGGAGATGATGCTGGAACCCCAACAGGCTGCTGTTTA 1272
DB 1201 CTTGCTGGAATGATGAGCTCGGAGATGATGCTGGAACCCCAACAGGCTGCTGTTTA 1260
QY 1273 TACTAGAGTTTACGCGCTTGGGAGCTGGATTACTTCAAAAACCTGGTATCTAAGAGAGAAA 1332
DB 1261 TACTAGAGTTTACGCGCTTGGGAGCTGGATTACTTCAAAAACCTGGTATCTAAGAGAGAAA 1320
QY 1333 AGCTCATGAAACAGATAACATTTTGTGTTTGGGTGGAGGCCATTTTATAG 1392
DB 1321 AGCTCATGAAACAGATAACATTTTGTGTTTGGGTGGAGGCCATTTTATAG 1380
QY 1393 ATACAGAAATGGAGAGACTTGCAAAACAGTCTGATGATCTCAATTAACCTGTTT 1452
DB 1381 ATACAGAAATGGAGAGACTTGCAAAACAGTCTGATGATCTCAATTAACCTGTTT 1440
QY 1453 GCTTGATGCA 1462
DB 1441 GCTTGATGCA 1450

RESULT 4

US-09-946-374-268
; Sequence 268, Application US/09946374
; Publication No. US20030073129A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.

[illegible]

; CURRENT APPLICATION NUMBER: US/10/206.915

; CURRENT FILING DATE: 2002-07-26

; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 319

; LENGTH: 2103

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-206-915-319

Query Match 97.5%; Score 1434.6; DB 13; Length 2103;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy	22	CCCTCAGAGGCTCTTCATCTGCTGGGCAATGATGATCGGCCAGATGCGGAGGC	81
Db	1	CCCTCAGAGGCTCTTCATCTGCTGGGCAATGATGATCGGCCAGATGCGGAGGC	60
Qy	82	TAGGAAAGAGTTGTTGGGAACCTCGGTTATCGGCTCGCTCATATCCCTGAT	141
Db	61	TAGGAAAGAGTTGTTGGGAACCTCGGTTATCGGCTCGCTCATATCCCTGAT	120
Qy	142	TGCTCTGAGTGTCATGAGTCACTGTTCAATATGAGATATATCAAAAGAGAC	201
Db	121	TGCTCTGAGTGTCATGAGTCACTGTTCAATATGAGATATATCAAAAGAGAC	180
Qy	202	CTCAATTTACTATAGCATGTCATTTACAACTGACAACTATATGCTGAGTTGGCAG	261
Db	181	CTCAATTTACTATAGCATGTCATTTACAACTGACAACTATATGCTGAGTTGGCAG	240
Qy	262	AGAGGCTTCTAAACAATTTACAGAAATGAGCCAGAGACTTGAATCAATGTTGAAAATGC	321
Db	241	AGAGGCTTCTAAACAATTTACAGAAATGAGCCAGAGACTTGAATCAATGTTGAAAATGC	300
Qy	322	ATTTTATAAATCTCCATTAAGGAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCAGTCA	381
Db	301	ATTTTATAAATCTCCATTAAGGAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCAGTCA	360
Qy	382	ACAGAGCATGAGTGTGGCTCATATGCTGTGATTTGTAGATTTCACTCTACTGAGGA	441
Db	361	ACAGAGCATGAGTGTGGCTCATATGCTGTGATTTGTAGATTTCACTCTACTGAGGA	420
Qy	442	TCCTGAAACTGTAGATAAAATGTTTCAACTGTTTACATGAAAGAGCTGCAAGTGTGT	501
Db	421	TCCTGAAACTGTAGATAAAATGTTTCAACTGTTTACATGAAAGAGCTGCAAGTGTGT	480
Qy	502	AGGACCCCTAAGTAGATCTCTCACTAGTTAAATTTAAATAATCAACAGACAGAAAC	561
Db	481	AGGACCCCTAAGTAGATCTCTCACTAGTTAAATTTAAATAATCAACAGACAGAAAC	540
Qy	562	AGACAGCTATCTAAACCAATTTGCTGGGACACGAAAGAGTAAACCTCTAGTCTCAGTCT	621
Db	541	AGACAGCTATCTAAACCAATTTGCTGGGACACGAAAGAGTAAACCTCTAGTCTCAGTCT	600

Qy	622	CAGGATCGTTGGTGACAGAGCTAGAGAGGGTGAATGSCCCTGSCAGGCTAGCCTGCA	681
Db	601	CAGGATCGTTGGTGACAGAGCTAGAGAGGGTGAATGSCCCTGSCAGGCTAGCCTGCA	660
Qy	682	GTGGGATGGGAGTCATCGCTGTGGAGCAACCTTTAATTAATGCCACATGGCTTGTGAGTGC	741
Db	661	GTGGGATGGGAGTCATCGCTGTGGAGCAACCTTTAATTAATGCCACATGGCTTGTGAGTGC	720
Qy	742	TGCTCACTGTTTACACATATAGAACCTGSCAGATGAGCTGCTTCTTGGAGTAAC	801
Db	721	TGCTCACTGTTTACACATATAGAACCTGSCAGATGAGCTGCTTCTTGGAGTAAC	780
Qy	802	AATAAAACCTTCGAAATGAAACGGGTCTCCCGAGAAATTAATTTGCTCCATGAAATAACAA	861
Db	781	AATAAAACCTTCGAAATGAAACGGGTCTCCCGAGAAATTAATTTGCTCCATGAAATAACAA	840
Qy	862	ACACCCATCATGACTATGATATTTCTTTGTCAGAGCTTTTACGCCCTTCCCTACAC	921
Db	841	ACACCCATCATGACTATGATATTTCTTTGTCAGAGCTTTTACGCCCTTCCCTACAC	900
Qy	922	AAATGAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACAGGTGATGT	981
Db	901	AAATGAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACAGGTGATGT	960
Qy	982	GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG	1041
Db	961	GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG	1020
Qy	1042	ACAAGCACAGTGACTCTCATAGACGCTACAACTTGCATTAAGAACTCAAGCTTACATGA	1101
Db	1021	ACAAGCACAGTGACTCTCATAGACGCTACAACTTGCATTAAGAACTCAAGCTTACATGA	1080
Qy	1102	CGCATAACTCCTAGATGTTTATGCTGCTGCTCTTAGAAGGAAAAACAGATGATGCCA	1161
Db	1081	CGCATAACTCCTAGATGTTTATGCTGCTGCTCTTAGAAGGAAAAACAGATGATGCCA	1140
Qy	1162	GGGTGACTCTGGAGGACCACTGGTTAGTTAGATGCTAGAGATATCTGGTACCTTGTCTGG	1221
Db	1141	GGGTGACTCTGGAGGACCACTGGTTAGTTAGATGCTAGAGATATCTGGTACCTTGTCTGG	1200
Qy	1222	AATAGTGAAGCTGGGAGATGAATGTGGAAACCCCAACAGCCTGGTGTATATAGTAGT	1281
Db	1201	AATAGTGAAGCTGGGAGATGAATGTGGAAACCCCAACAGCCTGGTGTATATAGTAGT	1260
Qy	1282	TACGGCTTGGGAGCTGGATTAATCTCAAAAACCTGGTATCTAAGAGAGAAAGCCTCATG	1341
Db	1261	TACGGCTTGGGAGCTGGATTAATCTCAAAAACCTGGTATCTAAGAGAGAAAGCCTCATG	1320
Qy	1342	GAACAGATAACATTTTTTTTTTTGGGTGGAGGCCATTTTTTAGAGATACAGAAAT	1401
Db	1321	GAACAGATAACATTTTTTTTTTTGGGTGGAGGCCATTTTTTAGAGATACAGAAAT	1380
Qy	1402	TGGAGAGACTTGCAAAACAGCTAGATTTGACATCTCAATTAACATGTTTGTGTTGATGC	1461
Db	1381	TGGAGAGACTTGCAAAACAGCTAGATTTGACATCTCAATTAACATGTTTGTGTTGATGC	1440
Qy	1462	A 1462	
Db	1441	A 1441	

RESULT 7

US-10-199-670-319

; Sequence 319, Application US/10199670

; Publication No. US20040033560A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

APPLICANT: Pan,James
 APPLICANT: Smith,Victoria
 APPLICANT: Watanabe,Colin K.
 APPLICANT: Wood,William I.
 APPLICANT: Zhang,Zemin
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME
 FILE REFERENCE: P3430R1C401
 CURRENT FILING DATE: 2002-07-19
 PRIOR APPLICATION NUMBER: 10/052586
 PRIOR FILING DATE: 2002-01-15
 PRIOR APPLICATION NUMBER: 60/059263
 PRIOR FILING DATE: 1997-09-18
 PRIOR APPLICATION NUMBER: 60/059266
 PRIOR FILING DATE: 1997-09-18
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/063120
 PRIOR FILING DATE: 1997-10-24
 PRIOR APPLICATION NUMBER: 60/063121
 PRIOR FILING DATE: 1997-10-24
 PRIOR APPLICATION NUMBER: 60/063486
 PRIOR FILING DATE: 1997-10-21
 PRIOR APPLICATION NUMBER: 60/063540
 PRIOR FILING DATE: 1997-10-28
 PRIOR APPLICATION NUMBER: 60/063541
 PRIOR FILING DATE: 1997-10-28
 PRIOR APPLICATION NUMBER: 60/063544
 PRIOR FILING DATE: 1997-10-28
 Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 612
 SEQ ID NO 319
 LENGTH: 2103
 TYPE: DNA
 ORGANISM: Homo Sapien
 US-10-199-670-319

Query Match 97.5%; Score 1434.6; DB 13; Length 2103;
 Best Local Similarity 99.7%; Pred. No. 0;
 Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY	22	CTTTCACAGGACTCTTCATTGCTGGTGGCAATGATGATCGCCACAGATGGTGGAGGC	81
Db	1	CTTTCACAGGACTCTTCATTGCTGGTGGCAATGATGATCGCCACAGATGGTGGAGGC	60
QY	82	TAGGAAAGAGTTGTTGGAAACCCCGGTTATCGCCCTCGTCAGTTCATATCCCTGAT	141
Db	61	TAGGAAAGAGTTGTTGGAAACCCCGGTTATCGCCCTCGTCATCTTCATATCCCTGAT	120
QY	142	TGTCCTGGCAGTGTGCATTGGAGTCACTGTTCAATTATGTGAGATATAATCAAAAGAGAC	201
Db	121	TGTCCTGGCAGTGTGCATTGGAGTCACTGTTCAATTATGTGAGATATAATCAAAAGAGAC	180
QY	202	CTACAAATTAATAGACATTTGTTCAATTAACAATGACAACTATATGCTGAGTTGGCAG	261
Db	181	CTACAAATTAATAGACATTTGTTCAATTAACAATGACAACTATATGCTGAGTTGGCAG	240
QY	262	ACAGGCTTCTCAACATTTACAGNAATGAGCCAGACCTGATCAATGGTGAATAATGC	321
Db	241	ACAGGCTTCTCAACATTTACAGNAATGAGCCAGACCTGATCAATGGTGAATAATGC	300
QY	322	ATTTTATAAATCTCCATTAAAGGAAGAAATTTGTCAAGTCTCAGGTTTATCAAGTTCAAGTCA	381
Db	301	ATTTTATAAATCTCCATTAAAGGAAGAAATTTGTCAAGTCTCAGGTTTATCAAGTTCAAGTCA	360
QY	382	ACAGAAGCATGGAGTGTGGCTCATATGCTGTTGATTTAGATTTTCACTCTACTGAGGA	441
Db	361	ACAGAAGCATGGAGTGTGGCTCATATGCTGTTGATTTAGATTTTCACTCTACTGAGGA	420
QY	442	TCTGAACTGTAGATAAATAATGTTCAACTGTTTACATGAAAGCTGCAAGATGCTGT	501
Db	421	TCTGAACTGTAGATAAATAATGTTCAACTGTTTACATGAAAGCTGCAAGATGCTGT	480

RESULT 8
 US-10-201-858-319
 ; Sequence 319, Application US/10201858

QY	502	AGGACCCCTAAAGTAGATCCTCACTCAGTTAAATTAATAAATCAACAAGACGAPAC	561
Db	481	AGGACCCCTAAAGTAGATCCTCACTCAGTTAAATTAATAAATCAACAAGACGAAAC	540
QY	562	AGACAGCTATCTAAACCATTTGCTGGGAACACGAAGAAGTAAAACTTAGGTGAGAGTCT	621
Db	541	AGACAGCTATCTAAACCATTTGCTGGGAACACGAAGAAGTAAAACTTAGGTGAGAGTCT	600
QY	622	CAGGATCGTTGGTGGGACAGAAAGTAAAGAGGGTGAATGGCCCTGGCAGGCTAGCTGCA	681
Db	601	CAGGATCGTTGGTGGGACAGAAAGTAAAGAGGGTGAATGGCCCTGGCAGGCTAGCTGCA	660
QY	682	GTGGGATGGGAGTCACTGCTGGGAGCAACCTTAATTAATGCAATGCTGTTGAGTGC	741
Db	661	GTGGGATGGGAGTCACTGCTGGGAGCAACCTTAATTAATGCAATGCTGTTGAGTGC	720
QY	742	TGCTCACTGTTTTTACAACATATAAGAACCCCTGCCAGATGGACTGCTCTTTGGAGTAAC	801
Db	721	TGCTCACTGTTTTTACAACATATAAGAACCCCTGCCAGATGGACTGCTCTTTGGAGTAAC	780
QY	802	AATAAAACCTTCGAAAATGAACGGGGTCTCCGGAGATAATTTGCTCATGAAATAACAA	861
Db	781	AATAAAACCTTCGAAAATGAACGGGGTCTCCGGAGATAATTTGCTCATGAAATAACAA	840
QY	862	ACACCCATCAGATGATGATATTTCTTTCAGAGCTTTCTAGCCCTGTTCCCTACAC	921
Db	841	ACACCCATCAGATGATGATATTTCTTTCAGAGCTTTCTAGCCCTGTTCCCTACAC	900
QY	922	AAATGCAGTACATAGAGTTTGTCTCCCTGATCATCTCTATGAGTTTCAACAGGAGTGT	981
Db	901	AAATGCAGTACATAGAGTTTGTCTCCCTGATCATCTCTATGAGTTTCAACAGGAGTGT	960
QY	982	GATGTTTGTGACAGGATTTGGAGCACTGNAATGATGGTTACAGTCAAAATCATCTTCG	1041
Db	961	GATGTTTGTGACAGGATTTGGAGCACTGNAATGATGGTTACAGTCAAAATCATCTTCG	1020
QY	1042	ACAAGCACAGGTGACTCTCATAGACGCTACAATTTGCAATGAACCTCAAGCTTACAATGA	1101
Db	1021	ACAAGCACAGGTGACTCTCATAGACGCTACAATTTGCAATGAACCTCAAGCTTACAATGA	1080
QY	1102	CGCCATAACTCTAGAAATGTTATGCTGGCTCTTTAGAGGAAACACAGATGCATGCCA	1161
Db	1081	CGCCATAACTCTAGAAATGTTATGCTGGCTCTTTAGAGGAAACACAGATGCATGCCA	1140
QY	1162	GGGTGACTCTGAGAGACCACTGGTTAGTTGATGCTAGAGATCTGTTAGCTGCTGG	1221
Db	1141	GGGTGACTCTGAGAGACCACTGGTTAGTTGATGCTAGAGATCTGTTAGCTGCTGG	1200
QY	1222	AATAGTGAGCTCGGAGAGATGAATGTCGAAACCCCAAGCCCTGGTGTATTACTAGAGT	1281
Db	1201	AATAGTGAGCTCGGAGAGATGAATGTCGAAACCCCAAGCCCTGGTGTATTACTAGAGT	1260
QY	1282	TACGGCTTGGGGAGCTGATTTACTTCAAAAATCTGGTATTAAGAGAGAAAGCCCTCATG	1341
Db	1261	TACGGCTTGGGGAGCTGATTTACTTCAAAAATCTGGTATTAAGAGAGAAAGCCCTCATG	1320
QY	1342	GACAGATAACATTTTGTGTTTGGGTGTCGAGGCCATTTTATAGAGATACAGAT	1401
Db	1321	GACAGATAACATTTTGTGTTTGGGTGTCGAGGCCATTTTATAGAGATACAGAT	1380
QY	1402	TGGAGAGACTTGCAGAAACAGCTAGATTTGACTGATCTCAATAAACTGTTTCTTGTATGC	1461
Db	1381	TGGAGAGACTTGCAGAAACAGCTAGATTTGACTGATCTCAATAAACTGTTTCTTGTATGC	1440
QY	1462	A 1462	
Db	1441	A 1441	

```
Publication No. US20040038337A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C464
CURRENT APPLICATION NUMBER: US/10/201,858
CURRENT FILING DATE: 2002-07-23
PRIOR APPLICATION NUMBER: 10/052586
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063121
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063486
PRIOR FILING DATE: 1997-10-21
PRIOR APPLICATION NUMBER: 60/063540
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063541
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063544
PRIOR FILING DATE: 1997-10-28
Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 319
LENGTH: 2103
TYPE: DNA
ORGANISM: Homo Sapien
US-10-201-858-319

Query Match          97.5%; Score 1434.6; DB 13; Length 2103;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 22 CTTTCACAGGACTCTTCATTGCTGGTGGCAATGATGTATCGGCCAGATGTGGTGGGGC 81
Db 1 CTTTCACAGGACTCTTCATTGCTGGTGGCAATGATGTATCGGCCAGATGTGGTGGGGC 60

Qy 82 TAGGAAAGAGTTGTTGGGAACCTCGGTTATCGGCTGTGTATGTTCTATATCCCTGAT 141
Db 61 TAGGAAAGAGTTGTTGGGAACCTCGGTTATCGGCTGTGTATGTTCTATATCCCTGAT 120

Qy 142 TGTCTCGCAGTGTGCATTGGAGTCACTGTTTCATTATGTGAGATATATCAAAAGAGAC 201
Db 121 TGTCTCGCAGTGTGCATTGGAGTCACTGTTTCATTATGTGAGATATATCAAAAGAGAC 180

Qy 202 CTACAAATTACTATAGCAATTTGTCATTATACAACTGACAACTATATGCTGAGTTGGCAG 261
Db 181 CTACAAATTACTATAGCAATTTGTCATTATACAACTGACAACTATATGCTGAGTTGGCAG 240

Qy 262 AGAGCTCTTAACAAATTTACAGAAATGAGCCAGACCTGCAATCAATGTTGAAATGTC 321
Db 241 AGAGCTCTTAACAAATTTACAGAAATGAGCCAGACCTGCAATCAATGTTGAAATGTC 300

Qy 322 ATTTTATAAATCTCCATTAAGGGAAGAAATTTGTCAAGTCTCAGGTTCAGTTTCAGTCA 381
Db 301 ATTTTATAAATCTCCATTAAGGGAAGAAATTTGTCAAGTCTCAGGTTCAGTTTCAGTCA 360

382 ACAGAGCATGGAGTGTGGCTCATATGCTGTGATTGTAGATTTTCACTCTACTAGGGA 441
361 ACAGAGCATGGAGTGTGGCTCATATGCTGTGATTGTAGATTTTCACTCTACTAGGGA 420
442 TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTGTTTACATGAAAGCTGCAAGATGCTGT 501
421 TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTGTTTACATGAAAGCTGCAAGATGCTGT 480
502 AGGACCCCTTAAAGTAGATCCTCACTCAGTTTAAATTTAAATAATCAAGACAGAAAC 561
481 AGGACCCCTTAAAGTAGATCCTCACTCAGTTTAAATTTAAATAATCAAGACAGAAAC 540
562 AGACAGCTACTTAAACCATTTGCTGGGAACACAGAGAGTAAACTTCTAGTCTAGAGTCT 621
541 AGACAGCTACTTAAACCATTTGCTGGGAACACAGAGAGTAAACTTCTAGTCTAGAGTCT 600
622 CAGGATCGTTGGTGGGACAGAGTAGAAGAGGGTGAATGGCCCTGGCAGGCTAGCCCTGCA 681
601 CAGGATCGTTGGTGGGACAGAGTAGAAGAGGGTGAATGGCCCTGGCAGGCTAGCCCTGCA 660
682 GTGGATGGGAGTCACTGCTGTGGAGCAACCTTAAATTAATGCCACATGGCTTGTGAGTGC 741
661 GTGGATGGGAGTCACTGCTGTGGAGCAACCTTAAATTAATGCCACATGGCTTGTGAGTGC 720
742 TGCTCACTGTTTACAAACATATAAGAACCTCGCCAGATGGACTGCTTCCCTTGGAGTAAC 801
721 TGCTCACTGTTTACAAACATATAAGAACCTCGCCAGATGGACTGCTTCCCTTGGAGTAAC 780
802 AATAAAACCTTCGAAATGAACCGGGTCTCCGGAGATAAATGTCCATGAAATAACAA 861
781 AATAAAACCTTCGAAATGAACCGGGTCTCCGGAGATAAATGTCCATGAAATAACAA 840
862 ACACCATCACATGACTATGATATTTCTCTTGAGAGCTTTCTAGCCCTGTCCTTACAC 921
841 ACACCATCACATGACTATGATATTTCTCTTGAGAGCTTTCTAGCCCTGTCCTTACAC 900
922 AATGTCAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACACAGGTGATGT 981
901 AATGTCAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACACAGGTGATGT 960
982 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGGTTACAGTCAAAATCATCTTCG 1041
961 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGGTTACAGTCAAAATCATCTTCG 1020
1042 ACAGACACAGGTGACTCTCATAGACGCTACAACTTGCATGACCTCAAGCTTACATGA 1101
1021 ACAGACACAGGTGACTCTCATAGACGCTACAACTTGCATGACCTCAAGCTTACATGA 1080
1102 CGCCATAACTCCTTAGAATGTTATGCTGCTGCTCTTTAGAGGAAAAACAGATGCATGCCA 1161
1081 CGCCATAACTCCTTAGAATGTTATGCTGCTGCTCTTTAGAGGAAAAACAGATGCATGCCA 1140
1162 GGGTGACTCTGGAGGACCACTGGTTAGTTCAGATGCTAGAGATATCTGGTACCTTGTCTGG 1221
1141 GGGTGACTCTGGAGGACCACTGGTTAGTTCAGATGCTAGAGATATCTGGTACCTTGTCTGG 1200
1222 AATAGTGAGCTCGGGAGATGAATGTGGAACCCCAACAGCCCTGGTGTGTTTATACATAGAT 1281
1201 AATAGTGAGCTCGGGAGATGAATGTGGAACCCCAACAGCCCTGGTGTGTTTATACATAGAT 1260
1282 TAGCGCTTGGGAGCTGGATTAATCTTCAAAACTGGTATCTAAGAGAGAAAAACCTCATG 1341
1261 TAGCGCTTGGGAGCTGGATTAATCTTCAAAACTGGTATCTAAGAGAGAAAAACCTCATG 1320
1342 GAACAGATAACATTTTTTTTTTTTTTTTTTTTTGGGTGTGAGGCCATTTTTAGAGATACAGAT 1401
1321 GAACAGATAACATTTTTTTTTTTTTTTTTTTTTGGGTGTGAGGCCATTTTTAGAGATACAGAT 1380
1402 TGAGAGAGACTTGCAGAAACAGCTAGATTTTGACTGTATCTCAATAAATGTTTGTGCTGATGC 1461
1381 TGAGAGAGACTTGCAGAAACAGCTAGATTTTGACTGTATCTCAATAAATGTTTGTGCTGATGC 1440
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QY 1462 A 1462
 Db 1441 A 1441

RESULT 9
 US-10-205-890-319
 ; Sequence 319, Application US/10205890
 ; Publication No. US20040048334A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Chen, Jian
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Pan, James
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P34301C519
 ; CURRENT APPLICATION NUMBER: US/10/205,890
 ; CURRENT FILING DATE: 2002-07-26
 ; PRIOR FILING DATE: 2002-01-15
 ; PRIOR APPLICATION NUMBER: 60/052586
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/059263
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/059266
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/062250
 ; PRIOR FILING DATE: 1997-10-17
 ; PRIOR APPLICATION NUMBER: 60/063120
 ; PRIOR FILING DATE: 1997-10-24
 ; PRIOR APPLICATION NUMBER: 60/063121
 ; PRIOR FILING DATE: 1997-10-24
 ; PRIOR APPLICATION NUMBER: 60/063486
 ; PRIOR FILING DATE: 1997-10-21
 ; PRIOR APPLICATION NUMBER: 60/063540
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR APPLICATION NUMBER: 60/063541
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR APPLICATION NUMBER: 60/063544
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 612
 ; SEQ ID NO 319
 ; LENGTH: 2103
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-10-205-890-319

Query Match 97.5%; Score 1434.6; DB 13; Length 2103;
 Best Local Similarity 99.7%; Pred. No. 0;
 Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 22 CCTTCACAGACTCTTCATGCTGGTGGCAATGATGATCGGCCAGATGTGGTAGGGC 81
 Db 1 CCTTCACAGACTCTTCATGCTGGTGGCAATGATGATCGGCCAGATGTGGTAGGGC 60

QY 82 TAGGAAAGAGTTTGTGGAAACCCCTGGCTTCATCGCCCTCGTCATCTTCATATCCCTGAT 141
 Db 61 TAGGAAAGAGTTTGTGGAAACCCCTGGCTTCATCGCCCTCGTCATCTTCATATCCCTGAT 120

QY 142 TGTCTGGCAGTGTGCATGCTGCTACTGTTCAATATGTAGATATAATCAAAAGAGAC 201
 Db 121 TGTCTGGCAGTGTGCATGCTGCTACTGTTCAATATGTAGATATAATCAAAAGAGAC 180

QY 202 CTACATTTACTATAGACATTTGCTATTTACAACTGCAAACTATATGCTGAGTTGGCAG 261
 Db 181 CTACATTTACTATAGACATTTGCTATTTACAACTGCAAACTATATGCTGAGTTGGCAG 240

QY 262 AGAGGCTTCTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 321
 Db 241 AGAGGCTTCTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 300

QY 322 ATTTTATAAATCTCCATTAAGGGAAGAATTTCTCAAGTCTCAGGTTTATCAAGTTCACTCA 381
 Db 301 ATTTTATAAATCTCCATTAAGGGAAGAATTTCTCAAGTCTCAGGTTTATCAAGTTCACTCA 360

QY 382 ACAGAAGCATGGAGTGTGGCTCAATGCTGTGTGATTTGTAGATTTCACTCTACTGAGGA 441
 Db 361 ACAGAAGCATGGAGTGTGGCTCAATGCTGTGTGATTTGTAGATTTCACTCTACTGAGGA 420

QY 442 TCCTGAACTGTAGATAAATTTGTTCAACTTTGTTTACATGAAGAGCTCAAGATGCTGT 501
 Db 421 TCCTGAACTGTAGATAAATTTGTTCAACTTTGTTTACATGAAGAGCTCAAGATGCTGT 480

QY 502 AGGACCCCTAAAGTAGATCTCTCACTCAGTTAAATTTAAATAAATCAACAGACAGAAAC 561
 Db 481 AGGACCCCTAAAGTAGATCTCTCACTCAGTTAAATTTAAATAAATCAACAGACAGAAAC 540

QY 562 AGACAGCTATCTAAACCAATTTGCTGCGGAAACAGAGAGTAAATCTTAGGTCAAGTCT 621
 Db 541 AGACAGCTATCTAAACCAATTTGCTGCGGAAACAGAGAGTAAATCTTAGGTCAAGTCT 600

QY 622 CAGGATCGTTGGGACAGAGATAGAGAGGTTGATGGCCCTGGCAGGCTAGCCTGCA 681
 Db 601 CAGGATCGTTGGGACAGAGATAGAGAGGTTGATGGCCCTGGCAGGCTAGCCTGCA 660

QY 682 GTGGATGGGAGTCTCGTGTGGAGCAACCTTAATTAATGCAATGCTTGTAGTGC 741
 Db 661 GTGGATGGGAGTCTCGTGTGGAGCAACCTTAATTAATGCAATGCTTGTAGTGC 720

QY 742 TGCTCACTGTTTACAAATTAAGAACCTTCGAGATGGAATGCTTCTTTGGAGTAAC 801
 Db 721 TGCTCACTGTTTACAAATTAAGAACCTTCGAGATGGAATGCTTCTTTGGAGTAAC 780

QY 802 AATAAACCCTCGAAATGAAACGGGCTCTCCGGAGATAATTTGTCATGAATAATACAA 861
 Db 781 AATAAACCCTCGAAATGAAACGGGCTCTCCGGAGATAATTTGTCATGAATAATACAA 840

QY 862 ACACCCATCAATGACTATGATATTTCTCTGACAGAGCTTTCTAGCCCTGTTCCCTACAC 921
 Db 841 ACACCCATCAATGACTATGATATTTCTCTGACAGAGCTTTCTAGCCCTGTTCCCTACAC 900

QY 922 AATGCACTACATAGAGTTTGTCTCCGATGATGCTTATGAGTTTCAACAGGTTGATGT 981
 Db 901 AATGCACTACATAGAGTTTGTCTCCGATGATGCTTATGAGTTTCAACAGGTTGATGT 960

QY 982 GATGTTTGTGACAGGATTTGGAGCACTGAAATATGATGTTTACAGTCAAAATCATCTTCG 1041
 Db 961 GATGTTTGTGACAGGATTTGGAGCACTGAAATATGATGTTTACAGTCAAAATCATCTTCG 1020

QY 1042 ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCAATGAACCTCAAGCTTACAATGA 1101
 Db 1021 ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCAATGAACCTCAAGCTTACAATGA 1080

QY 1102 CGCCATACTCTAGAAATTTATGCTGGCTCCTTAGAGGAAACAGATGCAATGCA 1161
 Db 1081 CGCCATACTCTAGAAATTTATGCTGGCTCCTTAGAGGAAACAGATGCAATGCA 1140

QY 1162 GGGTGACTCTGAGGACCACTGGTTAGTTTCAAGTCTAGAGATATCTGGTACCTTGTCTGG 1221
 Db 1141 GGGTGACTCTGAGGACCACTGGTTAGTTTCAAGTCTAGAGATATCTGGTACCTTGTCTGG 1200

QY 1222 AATAGTAGCTCGGAGATGAATGTCGAAACCCCAACAGCCTGGTGTGTTTATCTAGAGT 1281
 Db 1201 AATAGTAGCTCGGAGATGAATGTCGAAACCCCAACAGCCTGGTGTGTTTATCTAGAGT 1260

QY 1282 TAGGCGCTTGGGGAGTGTGATTTCTCAAACTGGTATCTAAGAGAGAAAGCCTCATG 1341
 Db 1261 TAGGCGCTTGGGGAGTGTGATTTCTCAAACTGGTATCTAAGAGAGAAAGCCTCATG 1320

QY 1342 GAACAGATACATTTTGTGTTTGGTGTGGAGGCCATTTTAGAGATACAGAAT 1401
Db 1321 GAACAGATACATTTTGTGTTTGGTGTGGAGGCCATTTTAGAGATACAGAAT 1380
QY 1402 TGGAGAAGACTTGCAGAACAGCTAGATTGACCTGATCTCAATAAATCTGTTGCTTGATGC 1461
Db 1381 TGGAGAAGACTTGCAGAACAGCTAGATTGACCTGATCTCAATAAATCTGTTGCTTGATGC 1440
QY 1462 A 1462
Db 1441 A 1441

RESULT 10

US-10-208-024-319
; Publication 319, Application US/10208024
; Publicatation No. US20040048335A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C538
; CURRENT APPLICATION NUMBER: US/10/208,024
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 319
; LENGTH: 2103
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-208-024-319

Query Match 97.5%; Score 1434.6; DB 13; Length 2103;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 22 CCTTCACAGGACTTTCATTGCTGGTGGGCAATGATGATGCGCCAGATGGTGGAGGC 81
Db 1 CCTTCACAGGACTTTCATTGCTGGTGGGCAATGATGATGCGCCAGATGGTGGAGGC 60
QY 82 TAGGAAAGAGCTTTGTTGGGAACCTCGGTTATCGGCTCGTCATGTTTCATATCCCTGAT 141
Db 61 TAGGAAAGAGCTTTGTTGGGAACCTCGGTTATCGGCTCGTCATGTTTCATATCCCTGAT 120

QY 142 TGTCTCTGGCAGTGTGCATTTGGAGTCACTGTTCAATATATGTGAGATATAATCAAAAGAGAC 201
Db 121 TGTCTCTGGCAGTGTGCATTTGGAGTCACTGTTCAATATGTGAGATATAATCAAAAGAGAC 180
QY 202 CTACAATTAATCTAGCAGACATTTGTCAATTTACAACTGACAACTATATGCTGAGTTTGGCAG 261
Db 181 CTACAATTAATCTAGCAGACATTTGTCAATTTACAACTGACAACTATATGCTGAGTTTGGCAG 240
QY 262 AGAGGCTTCTACAAATTTTACAGAAATGAGCCAGACACTTGAATCAATGTTGAAATGTC 321
Db 241 AGAGGCTTCTACAAATTTTACAGAAATGAGCCAGACACTTGAATCAATGTTGAAATGTC 300
QY 322 ATTTTATAAATCTCCCAATTAAGGAAGAAATTTGTCAGTCTCAGGTTTATCAAGTTTCAGTCA 381
Db 301 ATTTTATAAATCTCCCAATTAAGGAAGAAATTTGTCAGTCTCAGGTTTATCAAGTTTCAGTCA 360
QY 382 ACAGAAAGCATGGAGTGTGGCTCATATGCTGTTGATTTGATGATTTTCACTCTACTGAGGA 441
Db 361 ACAGAAAGCATGGAGTGTGGCTCATATGCTGTTGATTTGATGATTTTCACTCTACTGAGGA 420
QY 442 TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTGTTTACATGAAAGCTGCAAGATGCTGT 501
Db 421 TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTGTTTACATGAAAGCTGCAAGATGCTGT 480
QY 502 AGGACCCCTTAAAGTAGATCCTCACTCAGTTAAATTTAAAAAATCAACAGACAGAAAC 561
Db 481 AGGACCCCTTAAAGTAGATCCTCACTCAGTTAAATTTAAAAAATCAACAGACAGAAAC 540
QY 562 AGCAGATATCTAAACCATTTGTCGGAACACAGAAAGTAAATCTCTAGTTCAGATGCT 621
Db 541 AGCAGATATCTAAACCATTTGTCGGAACACAGAAAGTAAATCTCTAGTTCAGATGCT 600
QY 622 CAGGATCGTTGGTGGGACAGAACTAGAGAGGCTGATGCGCCCTGCGAGCTAGCCTGCA 681
Db 601 CAGGATCGTTGGTGGGACAGAACTAGAGAGGCTGATGCGCCCTGCGAGCTAGCCTGCA 660
QY 682 GTGGATGGGAGTCACTCGCTGTGGAGCAACCTTAAATTAATGCCACATGCTTGTGAGTGC 741
Db 661 GTGGATGGGAGTCACTCGCTGTGGAGCAACCTTAAATTAATGCCACATGCTTGTGAGTGC 720
QY 742 TGCTCACTGTTTACAAATATAAGAACCTGTCAGATGAGACTGCTTCTCTTGGAGTAAAC 801
Db 721 TGCTCACTGTTTACAAATATAAGAACCTGTCAGATGAGACTGCTTCTCTTGGAGTAAAC 780
QY 802 AATAAAACCTTCGAAATGAAACGGGCTCTCCGAGAAATAATGTCATGAAATAACAA 861
Db 781 AATAAAACCTTCGAAATGAAACGGGCTCTCCGAGAAATAATGTCATGAAATAACAA 840
QY 862 ACACCATCACTGATGATATTTCTCTGTGAGAGCTTTCTAGCCCTGTTCCCTACAC 921
Db 841 ACACCATCACTGATGATATTTCTCTGTGAGAGCTTTCTAGCCCTGTTCCCTACAC 900
QY 922 AATGCACTACATGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACAGGCTGATGT 981
Db 901 AATGCACTACATGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACAGGCTGATGT 960
QY 982 GATGTTTGTGACAGGATTTGGAGCACTGMAAAATGATGTTTACAGTCAAAATCATCTTCG 1041
Db 961 GATGTTTGTGACAGGATTTGGAGCACTGMAAAATGATGTTTACAGTCAAAATCATCTTCG 1020
QY 1042 ACAAGCAGAGGTGACTCTCTATAGACGCTCAACTTGCATTAAGACCTCAAGCTTCAATGA 1101
Db 1021 ACAAGCAGAGGTGACTCTCTATAGACGCTCAACTTGCATTAAGACCTCAAGCTTCAATGA 1080
QY 1102 CGCCATACTCTAGATGTTTATGCTGCTGCTCTTAGAGGAAACAGATGCAATGCCA 1161
Db 1081 CGCCATACTCTAGATGTTTATGCTGCTGCTCTTAGAGGAAACAGATGCAATGCCA 1140
QY 1162 GGGTGAATCTGGAGGACCACTGGTTAGTTTACAGATGCTAGAGATATCTGGTACCTTGTCTG 1221
Db 1141 GGGTGAATCTGGAGGACCACTGGTTAGTTTACAGATGCTAGAGATATCTGGTACCTTGTCTG 1200

QY 1102 CGCCATAAATCTCTAGAAATGTTATGCTGCTCTCTTAGAAGGAAAAACAGATGCATGCCA 1161
Db 1081 CGCCATAAATCTCTAGAAATGTTATGCTGCTCTCTTAGAAGGAAAAACAGATGCATGCCA 1140
QY 1162 GGTGATCTCTGGAGGACCACTGTTATGTTAGTTCAGATGCTAGAGATATCTGTFACCTTCTCTG 1221
Db 1141 GGTGATCTCTGGAGGACCACTGTTATGTTAGTTCAGATGCTAGAGATATCTGTFACCTTCTCTG 1200
QY 1222 AATAGTGAGCTCGGGAGATGAATGTCGGAACCCCAACAGCCCTGGTGTATATAGT 1281
Db 1201 AATAGTGAGCTCGGGAGATGAATGTCGGAACCCCAACAGCCCTGGTGTATATAGT 1260
QY 1282 TAGGGCTTTGCGGACTGGATTAATCTCAAAAACTGGTATCTAAGAGAGAAAAAGCCCTCATG 1341
Db 1261 TAGGGCTTTGCGGACTGGATTAATCTCAAAAACTGGTATCTAAGAGAGAAAAAGCCCTCATG 1320
QY 1342 GAACAGATAACATTTTTTTTTTTTTTTTTTTTTTTTTTTGGGTGGAGGCCATTTTAGAGATACAGAA 1401
Db 1321 GAACAGATAACATTTTTTTTTTTTTTTTTTTTTTTTTTTGGGTGGAGGCCATTTTAGAGATACAGAA 1380
QY 1402 TGGAGAAGACTTGCAAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTTGTCTTGATGC 1461
Db 1381 TGGAGAAGACTTGCAAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTTGTCTTGATGC 1440
QY 1462 A 1462
Db 1441 A 1441

RESULT 12

US-10-063-745-105
; Sequence 105, Application US/10063745
; Publication No. US20040058411A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,745
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 105
; LENGTH: 2103
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-063-745-105

Query Match 97.5%; Score 1434.6; DB 13; Length 2103;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 22 CCTTCACAGACTCTTCATGCTGGTGGCAATGATGTATCGGCCAGATGTGGTAGGGC 81
Db 1 CCTTCACAGACTCTTCATGCTGGTGGCAATGATGTATCGGCCAGATGTGGTAGGGC 60
QY 82 TAGGAAAGAGTTGTTGGGAACCCCTGGGTATTCGGCTCGTCATGTCATATCCCTGAT 141
Db 61 TAGGAAAGAGTTGTTGGGAACCCCTGGGTATTCGGCTCGTCATGTCATATCCCTGAT 120
QY 142 TGTCTCGGAGTGTGATGGAGTCACTGTTCAATTATGTAGATATAATCAAAAGAGAC 201
Db 121 TGTCTCGGAGTGTGATGGAGTCACTGTTCAATTATGTAGATATAATCAAAAGAGAC 180
QY 202 CTACAAATTACTAGACATTTGCTTCAAACTGACAACTATATATGCTGAGTTGGCAG 261

Db 181 CTACAAATTACTAGACATTTGCTTCACTGACAACTATATGCTGAGTTGGCAG 240
QY 262 AGAGGCTTCTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 321
Db 241 AGAGGCTTCTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 300
QY 322 ATTTTATATAATCTCCATTAAGGGAAGATTTGCTCAAGTCTCAGGTTTACAGTTCAGTCA 381
Db 301 ATTTTATATAATCTCCATTAAGGGAAGATTTGCTCAAGTCTCAGGTTTACAGTTCAGTCA 360
QY 382 ACAGAAGCATGAGTGTGCTCATATGCTGTTGATTTTGTAGATTTTCACTCTACTGAGGA 441
Db 361 ACAGAAGCATGAGTGTGCTCATATGCTGTTGATTTTGTAGATTTTCACTCTACTGAGGA 420
QY 442 TCTGTAACTGTAGATAAAAATTTGTTCAACTGTTTTTACATGAAAAGCTCAAGATGCTGT 501
Db 421 TCTGTAACTGTAGATAAAAATTTGTTCAACTGTTTTTACATGAAAAGCTCAAGATGCTGT 480
QY 502 AGAGCCCTTAAAGTAGATCTCTCAGTCACTTAAATTTAAATAATCAACAGACAGAAAC 561
Db 481 AGAGCCCTTAAAGTAGATCTCTCAGTCACTTAAATTTAAATAATCAACAGACAGAAAC 540
QY 562 AGACAGCTATCTAAACCATTTGCTGCGGAACACGAGAAGTAAAACTCTAGGTGAGAGTCT 621
Db 541 AGACAGCTATCTAAACCATTTGCTGCGGAACACGAGAAGTAAAACTCTAGGTGAGAGTCT 600
QY 622 CAGGATCGTTGTTGGGACAGAAATGAGAGAGGTGAATGGCCCTGGCAGGCTAGCCTGCA 681
Db 601 CAGGATCGTTGTTGGGACAGAAATGAGAGAGGTGAATGGCCCTGGCAGGCTAGCCTGCA 660
QY 682 GTGGGATGGAGTCACTCGCTGTTGGAGCAACCTTAATTAATGACACATGCTTGTGAGTGC 741
Db 661 GTGGGATGGAGTCACTCGCTGTTGGAGCAACCTTAATTAATGACACATGCTTGTGAGTGC 720
QY 742 TGCTCACTGTTTTTACAAATATAAGAACCCCTGCCAGATGGAATGCTTCTTTGGAGTAAC 801
Db 721 TGCTCACTGTTTTTACAAATATAAGAACCCCTGCCAGATGGAATGCTTCTTTGGAGTAAC 780
QY 802 AATAAAACCTTCGAAAATGAAACGGGGTCTCCGGAGAAATAATGTCCTCAAGAAAATACAA 861
Db 781 AATAAAACCTTCGAAAATGAAACGGGGTCTCCGGAGAAATAATGTCCTCAAGAAAATACAA 840
QY 862 ACACCCATCACATGACTATGATATTTCTTCCAGAGCTTTTCTAGCCCTGTTCCCTACAC 921
Db 841 ACACCCATCACATGACTATGATATTTCTTCCAGAGCTTTTCTAGCCCTGTTCCCTACAC 900
QY 922 AATGCACTACATAGAGTTTGTCTCCCTGATGCTATGAGTTTCAACCGAGTGAAT 981
Db 901 AATGCACTACATAGAGTTTGTCTCCCTGATGCTATGAGTTTCAACCGAGTGAAT 960
QY 982 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAAACTCTTCG 1041
Db 961 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAAACTCTTCG 1020
QY 1042 ACAAGCACAGGTGACTCTCATAGAGCTACAACTTGCATGAACTCAAGCTTACAATGA 1101
Db 1021 ACAAGCACAGGTGACTCTCATAGAGCTACAACTTGCATGAACTCAAGCTTACAATGA 1080
QY 1102 CGCCATAACTCTAGAAATGTTATGCTGGCTCCTTAGAAGGAAAAACAGATGCATGCCA 1161
Db 1081 CGCCATAACTCTAGAAATGTTATGCTGGCTCCTTAGAAGGAAAAACAGATGCATGCCA 1140
QY 1162 GGTGATCTCTGAGGACCACTGTTTAGTTTTCAGATGCTAGAGATATCTGTTACTTGTCTGG 1221
Db 1141 GGTGATCTCTGAGGACCACTGTTTAGTTTTCAGATGCTAGAGATATCTGTTACTTGTCTGG 1200
QY 1222 AATAGTAGCTCGGAGATGAATGTCGAAAAACCAAGCCCTGGTGTATATAGTAGT 1281
Db 1201 AATAGTAGCTCGGAGATGAATGTCGAAAAACCAAGCCCTGGTGTATATAGTAGT 1260
QY 1282 TAGGGCTTTGCGGACTGGATTAATCTCAAAAACTGGTATCTAAGAGAGAAAAAGCCCTCATG 1341


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; APPLICANT: Wood,William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,549
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 105
; LENGTH: 2103
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-063-549-105

Query Match      97.5%; Score 1434.6; DB 13; Length 2103;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 22 CCTTCACAGGACTCTTCATTGCTGCTGGCAATGATGTATCGGCCAGATGGTGAGGCG 81
DB 1 CCTTCACAGGACTCTTCATTGCTGCTGGCAATGATGTATCGGCCAGATGGTGAGGCG 60
QY 82 TAGGAAAAGAGTTGTTGGGAACCTCGGTTATCGCCCTCGTCATATCCCTGAT 141
DB 61 TAGGAAAAGAGTTGTTGGGAACCTCGGTTATCGCCCTCGTCATATCCCTGAT 120
QY 142 TGTCCTGGCAGTGCATTTGGAGTCACTGTTTCAATTTATGTGAGATATATCAAGAAGAC 201
DB 121 TGTCCTGGCAGTGCATTTGGAGTCACTGTTTCAATTTATGTGAGATATATCAAGAAGAC 180
QY 202 CTACAATTACTATAGACATTTGCTATTTACAACTGACAACTATATGCTGAGTTGGCAG 261
DB 181 CTACAATTACTATAGACATTTGCTATTTACAACTGACAACTATATGCTGAGTTGGCAG 240
QY 262 AGAGGCTTCTAACAATTTTACAGAATAGAGCCAGAGACTTGAATCAATGGTCAAAAATGC 321
DB 241 AGAGGCTTCTAACAATTTTACAGAATAGAGCCAGAGACTTGAATCAATGGTCAAAAATGC 300
QY 322 ATTTTATAAATCTCCATTAAAGGAGAAATTTCTCAAGTCTCAGTTATCAAGTTCAAGTCA 381
DB 301 ATTTTATAAATCTCCATTAAAGGAGAAATTTCTCAAGTCTCAGTTATCAAGTTCAAGTCA 360
QY 382 ACAGAAGCATGAGTGTGGCTCATATGCTGTTGATTTGTAGATTTCACTCTACTGAGGA 441
DB 361 ACAGAAGCATGAGTGTGGCTCATATGCTGTTGATTTGTAGATTTCACTCTACTGAGGA 420
QY 442 TCCTGAAATCTAGATAAATTTGTTCAACTGTTTTCATGAAAAGCTGCAAGTCTGTGT 501
DB 421 TCCTGAAATCTAGATAAATTTGTTCAACTGTTTTCATGAAAAGCTGCAAGTCTGTGT 480
QY 502 AGGACCCCTAAAGTAGATCTCTCACTCAGTTAAATTTAAATAATCAACAAGCAGAAAC 561
DB 481 AGGACCCCTAAAGTAGATCTCTCACTCAGTTAAATTTAAATAATCAACAAGCAGAAAC 540
QY 562 AGACAGCTATCTAAACCAATTTGCTGGGAAACAGGAAGAGTAAATCTTAGGTCAGAGTCT 621
DB 541 AGACAGCTATCTAAACCAATTTGCTGGGAAACAGGAAGAGTAAATCTTAGGTCAGAGTCT 600
QY 622 CAGGATCGTTGGTGGGACAGAGTAGAAGAGGTTGAATGGCCCTGGCAGGCTAGCCTGCA 681
DB 601 CAGGATCGTTGGTGGGACAGAGTAGAAGAGGTTGAATGGCCCTGGCAGGCTAGCCTGCA 660
QY 682 GTGGGATGGGAGTCACTCGCTGTGGGCAACCTTAATTAATGCCATGGCTTGTAGTGC 741
DB 661 GTGGGATGGGAGTCACTCGCTGTGGGCAACCTTAATTAATGCCATGGCTTGTAGTGC 720
QY 742 TGCTCACTGTTTACACATATAAGAACCTCGCAGATGGAGTCTGCTTCTTTGGAGTAAC 801
DB 721 TGCTCACTGTTTACACATATAAGAACCTCGCAGATGGAGTCTGCTTCTTTGGAGTAAC 780
QY 802 AATAAAACCTTCGAAAATGAAACGGGGTCTCCGAGAAATAATTTGTCATGAAAATAACAA 861
DB 781 AATAAAACCTTCGAAAATGAAACGGGGTCTCCGAGAAATAATTTGTCATGAAAATAACAA 840

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QY 862 ACACCCATCATGACTATGATATTTCTCTTGCAGAGCTTTCTAGCCCTGTTCCCTACAC 921
DB 841 ACACCCATCATGACTATGATATTTCTCTTGCAGAGCTTTCTAGCCCTGTTCCCTACAC 900
QY 922 AAATGCAGTACATAGAGTTTGTCTCCCTGATGTCATCCCTATGAGTTTCAACAGGTGATG 981
DB 901 AAATGCAGTACATAGAGTTTGTCTCCCTGATGTCATCCCTATGAGTTTCAACAGGTGATG 960
QY 982 GATGTTTGTGACAGGATTTGGAGCAGCTGAAAATATGATGTTTACAGTCAAAATCATCTTCG 1041
DB 961 GATGTTTGTGACAGGATTTGGAGCAGCTGAAAATATGATGTTTACAGTCAAAATCATCTTCG 1020
QY 1042 ACAAGCAGGTGACTCTCATAGAGCTTACAACTTGCATGAACCTCAAGCTTACAATCA 1101
DB 1021 ACAAGCAGGTGACTCTCATAGAGCTTACAACTTGCATGAACCTCAAGCTTACAATCA 1080
QY 1102 CGCCATAACTCTCTAGAAATGTTATGCTGGCTCCCTTAGAAGGAAAACAGATGCATGCCA 1161
DB 1081 CGCCATAACTCTCTAGAAATGTTATGCTGGCTCCCTTAGAAGGAAAACAGATGCATGCCA 1140
QY 1162 GGGTGACTCTGGAGGACCACTGGTTAGTTTCTAGATCTAGATATCTGGTACTCTTGCTGG 1221
DB 1141 GGGTGACTCTGGAGGACCACTGGTTAGTTTCTAGATCTAGATATCTGGTACTCTTGCTGG 1200
QY 1222 AATAGTGAGCTCGGGAGAGATGAATGTCGAAACCCCAAGCCCTGCTGTTTACTAGTAGT 1281
DB 1201 AATAGTGAGCTCGGGAGAGATGAATGTCGAAACCCCAAGCCCTGCTGTTTACTAGTAGT 1260
QY 1282 TACGGCTTGGGGAGCTGGATTTACTTCAAAAACCTGTTATCTAAGAGAGAAAAGCCTCATG 1341
DB 1261 TACGGCTTGGGGAGCTGGATTTACTTCAAAAACCTGTTATCTAAGAGAGAAAAGCCTCATG 1320
QY 1342 GAAAGATAAACAATTTTTTTTTTTTTTTGGGTGGAGGCCAATTTTATAGAGATACAGAT 1401
DB 1321 GAAAGATAAACAATTTTTTTTTTTTTTTGGGTGGAGGCCAATTTTATAGAGATACAGAT 1380
QY 1402 TGGAGAGACTTGCAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTGCTTTGATGC 1461
DB 1381 TGGAGAGACTTGCAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTGCTTTGATGC 1440
QY 1462 A 1462
DB 1441 A 1441

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Search completed: May 16, 2004, 05:31:48
Job time : 673.5 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 15, 2004, 23:50:33 ; Search time 653.5 Seconds
(without alignments)
10214.950 Million cell updates/sec

Title: US-09-674-035B-1
Perfect score: 1471
Sequence: 1 tgacttgatgtagacctg.....tgctgatgcaaaaaaaaaa 1471

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2947324 seqs, 2269024515 residues

Total number of hits satisfying chosen parameters: 5894648

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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- 2: /cgn2_6/prodata/2/pubpna/PCT_NEW_PUB.seq:*
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- 4: /cgn2_6/prodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/prodata/2/pubpna/US07_NEW_PUB.seq:*
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- 15: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
- 16: /cgn2_6/prodata/2/pubpna/US10D_PUBCOMB.seq:*
- 17: /cgn2_6/prodata/2/pubpna/US10_NEW_PUB.seq:*
- 18: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq:*
- 19: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1469.8	99.9	1471	16	US-10-156-214A-27
2	1469.8	99.9	1471	16	US-10-156-214A-40
3	1450	98.6	5058	10	US-09-796-753-145
4	1439.4	97.9	2103	10	US-09-946-374-268
5	1439.4	97.9	2103	12	US-10-015-395A-268
6	1439.4	97.9	2103	13	US-10-206-915-319
7	1439.4	97.9	2103	13	US-10-199-670-319
8	1439.4	97.9	2103	13	US-10-201-858-319
9	1439.4	97.9	2103	13	US-10-205-890-319
10	1439.4	97.9	2103	13	US-10-208-024-319
11	1439.4	97.9	2103	13	US-10-201-853-319
12	1439.4	97.9	2103	13	US-10-063-745-105
13	1439.4	97.9	2103	13	US-10-063-512-105
14	1439.4	97.9	2103	13	US-10-063-513-105

15	1439.4	97.9	2103	13	US-10-063-549-105
16	1439.4	97.9	2103	13	US-10-063-569-105
17	1439.4	97.9	2103	13	US-10-063-551-105
18	1439.4	97.9	2103	13	US-10-174-581-319
19	1439.4	97.9	2103	13	US-10-176-483-319
20	1439.4	97.9	2103	13	US-10-176-749-319
21	1439.4	97.9	2103	13	US-10-176-914-319
22	1439.4	97.9	2103	13	US-10-176-915-319
23	1439.4	97.9	2103	13	US-10-006-485A-268
24	1439.4	97.9	2103	13	US-10-013-907A-268
25	1439.4	97.9	2103	13	US-10-015-459A-268
26	1439.4	97.9	2103	13	US-10-063-555-105
27	1439.4	97.9	2103	13	US-10-063-563-105
28	1439.4	97.9	2103	13	US-10-063-594-105
29	1439.4	97.9	2103	13	US-10-063-553-105
30	1439.4	97.9	2103	13	US-10-063-554-105
31	1439.4	97.9	2103	13	US-10-176-484-319
32	1439.4	97.9	2103	13	US-10-180-550-319
33	1439.4	97.9	2103	13	US-10-183-014-319
34	1439.4	97.9	2103	13	US-10-187-738-319
35	1439.4	97.9	2103	13	US-10-187-740-319
36	1439.4	97.9	2103	13	US-10-187-883-319
37	1439.4	97.9	2103	13	US-10-194-363-319
38	1439.4	97.9	2103	13	US-10-194-460-319
39	1439.4	97.9	2103	13	US-10-194-463-319
40	1439.4	97.9	2103	13	US-10-194-484-319
41	1439.4	97.9	2103	13	US-10-195-884-319
42	1439.4	97.9	2103	13	US-10-195-896-319
43	1439.4	97.9	2103	13	US-10-196-744-319
44	1439.4	97.9	2103	13	US-10-196-755-319
45	1439.4	97.9	2103	13	US-10-196-757-319

ALIGNMENTS

RESULT 1
US-10-156-214A-27
; Sequence 27, Application US/10156214A
; Publication No. US20040001801A1
; GENERAL INFORMATION:
; APPLICANT: Edwin L. Madison
; APPLICANT: Joseph Edward Semple
; APPLICANT: George P. Vlasuk
; APPLICANT: Scott Jeffrey Kemp
; APPLICANT: Mallareddy Komandla
; APPLICANT: Daniel Yanna Siev
; TITLE OF INVENTION: Conjugates Activated By Cell Surface Proteases and Therapeutic
; FILE REFERENCE: 24745-1611
; CURRENT FILING DATE: 2002-05-23
; NUMBER OF SEQ ID NOS: 611
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 1471
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (626)...(1324)
; OTHER INFORMATION: DESCI gene
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (56)...(1324)
; OTHER INFORMATION: protease domain
US-10-156-214A-27

Query Match 99.9%; Score 1469.8; DB 16; Length 1471;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1469; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TGACTTGGATGTAGACTCGACCTTCACAGGACTCTTCATGTGCTGGTGGCAATGATGTA 60

Db 1 TGACTTGGATGTAGACCTCGACCTTACAGAGACTCTTCATGCTGGTGGCAATGATGA 60
QY 61 TCGGCCAGATGTGGTGGAGGCTAGGAAAGAGTTTGTGGGAAACCCCTGGGTTATCGGCC 120
Db 61 TCGGCCAGATGTGGTGGAGGCTAGGAAAGAGTTTGTGGGAAACCCCTGGGTTATCGGCC 120
QY 121 CPTCNCCTTCATATCCCTGATGCTCCTGGCAGTGTGCATTGGAGCTCACTGTTCAATTATGT 180
Db 121 CGTCATSTTTCATATCCCTGATGCTCCTGGCAGTGTGCATTGGAGCTCACTGTTCAATTATGT 180
QY 181 GAGATATAATCAAAAGAGGCTACAAATTTACTATAGCACATTTGTCAATTTACAACTGACAA 240
Db 181 GAGATATAATCAAAAGAGGCTACAAATTTACTATAGCACATTTGTCAATTTACAACTGACAA 240
QY 241 ACTATATGCTGAGTTTGGCAGAGGCTCTTAACAAATTTTACAGAAATGAGCCAGAGACT 300
Db 241 ACTATATGCTGAGTTTGGCAGAGGCTCTTAACAAATTTTACAGAAATGAGCCAGAGACT 300
QY 301 TGAATCAATGCTGAAATGATCATTTTATAATCTCCATTAAGGGAAGAAATTTGTCAAGTC 360
Db 301 TGAATCAATGCTGAAATGATCATTTTATAATCTCCATTAAGGGAAGAAATTTGTCAAGTC 360
QY 361 TCAGGTTATCAAGTTTCAGTCAACAGAGGCTAGGAGTGTGGCTCATATGCTGTTGATTTG 420
Db 361 TCAGGTTATCAAGTTTCAGTCAACAGAGGCTAGGAGTGTGGCTCATATGCTGTTGATTTG 420
QY 421 TAGATTTTCACTCTACTGAGGATCTGAACTGTAGATAAATTTTCAACTGTTTACA 480
Db 421 TAGATTTTCACTCTACTGAGGATCTGAACTGTAGATAAATTTTCAACTGTTTACA 480
QY 481 TGAAGAGCTGCAAGATGCTGAGGACCCCTTAAAGTAGATCTCTCACTCAGTTAAATTA 540
Db 481 TGAAGAGCTGCAAGATGCTGAGGACCCCTTAAAGTAGATCTCTCACTCAGTTAAATTA 540
QY 541 AAAAATCAACAGACAGAAACAGACAGTATCTTAAACCAATGCTGGGAAACAGGAAG 600
Db 541 AAAAATCAACAGACAGAAACAGACAGTATCTTAAACCAATGCTGGGAAACAGGAAG 600
QY 601 TAAACCTTAGGTGAGTCTCAGAGTCTGAGGATGCTGGGACAGAGTGTAGAGGAGTGAATG 660
Db 601 TAAACCTTAGGTGAGTCTCAGAGTCTGAGGATGCTGGGACAGAGTGTAGAGGAGTGAATG 660
QY 661 GCCCTGGCAGGCTAGCTGAGTGGGATGGGAGTCACTGCTGTGGAGCAACCTTAATTA 720
Db 661 GCCCTGGCAGGCTAGCTGAGTGGGATGGGAGTCACTGCTGTGGAGCAACCTTAATTA 720
QY 721 TGCCACATGGCTTGTGAGTGTGCTCACTGTTTACACATATAGAAACCTTCCAGATG 780
Db 721 TGCCACATGGCTTGTGAGTGTGCTCACTGTTTACACATATAGAAACCTTCCAGATG 780
QY 781 GACTGCTTCTTTGGAGTAAACAATAAAACCTTCGAAATGAAACGGGCTCTCCGAGAA 840
Db 781 GACTGCTTCTTTGGAGTAAACAATAAAACCTTCGAAATGAAACGGGCTCTCCGAGAA 840
QY 841 AATTGTCCATGAAATAACAAACCCATCATGACTATGATATTTCTCTTGCAGAGCT 900
Db 841 AATTGTCCATGAAATAACAAACCCATCATGACTATGATATTTCTCTTGCAGAGCT 900
QY 901 TTCTAGCCCTGTTCCCTACACAAATGCAATGAGATGTTGTCTCCCTGATGATCCTTA 960
Db 901 TTCTAGCCCTGTTCCCTACACAAATGCAATGAGATGTTGTCTCCCTGATGATCCTTA 960
QY 961 TGAGTTTCAACAGGTTGATGATGTTTGTGACAGGATTTGGAGCACTGAAATAATGATGG 1020
Db 961 TGAGTTTCAACAGGTTGATGATGTTTGTGACAGGATTTGGAGCACTGAAATAATGATGG 1020
QY 1021 TTACAGTCAAAATCATCTTCGACAGCAGAGTGTCTCTCATAGACGCTTACAACTTGCAA 1080
Db 1021 TTACAGTCAAAATCATCTTCGACAGCAGAGTGTCTCTCATAGACGCTTACAACTTGCAA 1080
QY 1081 TGAACCTCAGCTTACATGAGCCATAACTCTAGATGTTATGCTGGCTCCTTACA 1140

Db 1081 TGAACCTCAAGCTTACATGAGCCATAACTCCTAGATGTTATGTGCTGGCTCCTTAGA 1140
QY 1141 AGGAAAAACAGATGATGCCAGGCTGACTCTCGAGACCACTGTTAGTTTCAGATGCTAG 1200
Db 1141 AGGAAAAACAGATGATGCCAGGCTGACTCTCGAGACCACTGTTAGTTTCAGATGCTAG 1200
QY 1201 AGATATCTGATCTCTTGTCTGGAATAGTGAAGTGGGAGATGAATGTGCGAAACCCAA 1260
Db 1201 AGATATCTGATCTCTTGTCTGGAATAGTGAAGTGGGAGATGAATGTGCGAAACCCAA 1260
QY 1261 GCCTGCTGTTTATACATAGATGTTACGGCTTGGGGAGTGGATTTCTCAAAACTGGTAT 1320
Db 1261 GCCTGCTGTTTATACATAGATGTTACGGCTTGGGGAGTGGATTTCTCAAAACTGGTAT 1320
QY 1321 CTAAAGAGAAAAAGCCTCATGGAACAGATAAATTTTTTTTCTGTTTGGGTGGAGG 1380
Db 1321 CTAAAGAGAAAAAGCCTCATGGAACAGATAAATTTTTTTTCTGTTTGGGTGGAGG 1380
QY 1381 CCATTTTACAGATACAGAAATTTGGAAGAATTTGCAAAACAGCTAGATTTGATGATCTC 1440
Db 1381 CCATTTTACAGATACAGAAATTTGGAAGAATTTGCAAAACAGCTAGATTTGATGATCTC 1440
QY 1441 AATAAACTGTTTCTGTTGATGCAAAAAA 1471
Db 1441 AATAAACTGTTTCTGTTGATGCAAAAAA 1471

RESULT 2

US-10-156-214A-40
; Sequence 40, Application US/10156214A
; Publication No. US20040001801A1
; GENERAL INFORMATION:
; APPLICANT: Edwin L. Madison
; APPLICANT: Joseph Edward Sample
; APPLICANT: George P. Viasuk
; APPLICANT: Scott Jeffrey Kemp
; APPLICANT: Mallareddy Komandla
; APPLICANT: Daniel Vanna Siev
; TITLE OF INVENTION: Conjugates Activated By Cell Surface Proteases and Therapeutic
; TITLE OF INVENTION: Theresof
; FILE REFERENCE: 24745-1611
; CURRENT APPLICATION NUMBER: US/10/156,214A
; CURRENT FILING DATE: 2002-05-23
; NUMBER OF SEQ ID NOS: 611
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 40
; LENGTH: 1471
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: DBS1 gene
; NAME/KEY: misc feature
; LOCATION: (626)...(1324)
; OTHER INFORMATION: protease domain
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (56)...(1324)
US-10-156-214A-40

Query Match 99.9%; Score 1469.8; DB 16; Length 1471;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1468; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
QY 1 TGACTTGGATGTAGACCTCGACCTTACAGAGACTCTTCATGCTGGTGGCAATGATGA 60
Db 1 TGACTTGGATGTAGACCTCGACCTTACAGAGACTCTTCATGCTGGTGGCAATGATGA 60
QY 61 TCGGCCAGATGTGGTGGAGGCTAGGAAAGAGTTTGTGGGAAACCCCTGGGTTATCGGCC 120
Db 61 TCGGCCAGATGTGGTGGAGGCTAGGAAAGAGTTTGTGGGAAACCCCTGGGTTATCGGCC 120
QY 121 CGTCATSTTTCATATCCCTGATGCTCCTGGCAGTGTGCATTGGAGCTCACTGTTCAATTATGT 180

Db 121 CGTCATSTTCATATCCCTGATGCTGCGAGTGCAATGGASTCACTGTCATTATGT 180
 QY 181 GAGATATAATCAAAAGAAGACCTACAAATTAATCTATAGCAACATGTCATTATCAATGACAA 240
 Db 181 GAGATATAATCAAAAGAAGACCTACAAATTAATCTATAGCAACATGTCATTATCAATGACAA 240
 QY 241 ACTATATGCTGAGTTGGCAGAGAGGCTTCTAAATTTTACAAATTTTACAAATGAGCCAGAGACT 300
 Db 241 ACTATATGCTGAGTTGGCAGAGAGGCTTCTAAATTTTACAAATTTTACAAATGAGCCAGAGACT 300
 QY 301 TGAATCAATGCTGAAATGCAATTTTATAATCTCCATTAAGGGAAGAAATTTGTCAGATC 360
 Db 301 TGAATCAATGCTGAAATGCAATTTTATAATCTCCATTAAGGGAAGAAATTTGTCAGATC 360
 QY 361 TCAGGTATCAAGTTCAAGTCAAGCAAGAGCATGAGTGTGGCTCATATGCTGTTGATTG 420
 Db 361 TCAGGTATCAAGTTCAAGTCAAGCAAGAGCATGAGTGTGGCTCATATGCTGTTGATTG 420
 QY 421 TAGATTTCACTCTACTGAGGATCCTGAACTGTAGATAAAATTTGTCACACTGTTTACA 480
 Db 421 TAGATTTCACTCTACTGAGGATCCTGAACTGTAGATAAAATTTGTCACACTGTTTACA 480
 QY 481 TGAAGAGCTGCAAGATGCTAGGACCCCTTAAAGTAGATCCTCACTCACTTAAATTA 540
 Db 481 TGAAGAGCTGCAAGATGCTAGGACCCCTTAAAGTAGATCCTCACTCACTTAAATTA 540
 QY 541 AAAAAACAAGACAGACAGACACTATCAACCATTTGTCGGGACACGAAGAAG 600
 Db 541 AAAAAACAAGACAGACAGACACTATCAACCATTTGTCGGGACACGAAGAAG 600
 QY 601 TAAAACTTAGGTGAGAGTCTCAGAGTCGTTGGGACAGAGTGAAGAGGTTGATG 660
 Db 601 TAAAACTTAGGTGAGAGTCTCAGAGTCGTTGGGACAGAGTGAAGAGGTTGATG 660
 QY 661 GCCCTGAGGCTAGCTGAGTGGGATGGAGTGCATCGTGTGGAGCAACCTTAATTA 720
 Db 661 GCCCTGAGGCTAGCTGAGTGGGATGGAGTGCATCGTGTGGAGCAACCTTAATTA 720
 QY 721 TGCCACATGCTGTGAGTCTGCTACTGTTTACACATATAGAACCTGCCAGATG 780
 Db 721 TGCCACATGCTGTGAGTCTGCTACTGTTTACACATATAGAACCTGCCAGATG 780
 QY 781 GACTGCTTCTCTGGAGTAAACAATAAACCTTCGAAATGAACCGGGTCTCCGAGAT 840
 Db 781 GACTGCTTCTCTGGAGTAAACAATAAACCTTCGAAATGAACCGGGTCTCCGAGAT 840
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 Db 841 AATGTCATGAAAAATACAAAACCCATCAATGACTATGATTTCTCTTGAGAGCT 900
 QY 901 TTCTAGCCCTGTTCCCTACACAAATGAGTACATAGAGTTGTCCTCTGATGATCCTA 960
 Db 901 TTCTAGCCCTGTTCCCTACACAAATGAGTACATAGAGTTGTCCTCTGATGATCCTA 960
 QY 961 TGAGTTTCAACCGAGTGTGATGTTGTTGACAGGATTTGGAGCACTGAAAAATGATG 1020
 Db 961 TGAGTTTCAACCGAGTGTGATGTTGTTGACAGGATTTGGAGCACTGAAAAATGATG 1020
 QY 1021 TTACAGTCAAAATCATCTTCGACAGACAGGTCATCTCATAGACGCTCAACTGCAA 1080
 Db 1021 TTACAGTCAAAATCATCTTCGACAGACAGGTCATCTCATAGACGCTCAACTGCAA 1080
 QY 1081 TGAACCTCAAGCTTACAAATGAGCCATACTCCCTAGAGTTGTTGTCGCTGCTCTTAGA 1140
 Db 1081 TGAACCTCAAGCTTACAAATGAGCCATACTCCCTAGAGTTGTTGTCGCTGCTCTTAGA 1140
 QY 1141 AGAAAAACAGATCATGCCAGGTCGACTCTGGAGGACCACTGGTTAGTTTCAGATGCTAG 1200
 Db 1141 AGAAAAACAGATCATGCCAGGTCGACTCTGGAGGACCACTGGTTAGTTTCAGATGCTAG 1200
 QY 1201 AGATATCTGTTACCTTGTGAATAGTGAAGTGGGAGATGAATGTGGGAAACCCACAA 1260

RESULT 3

US-09-796-753-145
 ; Sequence 145, Application US/09796753
 ; Publication No. US20030027998A1
 ; GENERAL INFORMATION:
 ; APPLICANT: McCarthy, Sean A.
 ; TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
 ; FILE REFERENCE: 7853-227-999
 ; CURRENT APPLICATION NUMBER: US/09796,753
 ; CURRENT FILING DATE: 2001-03-01
 ; PRIOR APPLICATION NUMBER: 09/183,175
 ; PRIOR FILING DATE: 1998-10-30
 ; PRIOR APPLICATION NUMBER: 09/223,094
 ; PRIOR FILING DATE: 1998-12-30
 ; PRIOR APPLICATION NUMBER: 09/223,546
 ; PRIOR FILING DATE: 1998-12-30
 ; PRIOR APPLICATION NUMBER: 09/224,246
 ; PRIOR FILING DATE: 1998-12-30
 ; PRIOR APPLICATION NUMBER: 09/259,388
 ; PRIOR FILING DATE: 1999-02-26
 ; PRIOR APPLICATION NUMBER: 60/122,458
 ; PRIOR FILING DATE: 1999-03-01
 ; PRIOR APPLICATION NUMBER: 09/312,359
 ; PRIOR FILING DATE: 1999-05-14
 ; PRIOR APPLICATION NUMBER: 09/336,536
 ; PRIOR FILING DATE: 1999-06-18
 ; PRIOR APPLICATION NUMBER: 09/342,687
 ; PRIOR FILING DATE: 1999-06-29
 ; PRIOR APPLICATION NUMBER: 09/345,464
 ; PRIOR FILING DATE: 1999-06-30
 ; PRIOR APPLICATION NUMBER: 09/365,164
 ; PRIOR FILING DATE: 1999-07-30
 ; PRIOR APPLICATION NUMBER: 09/399,723
 ; PRIOR FILING DATE: 1999-09-20
 ; PRIOR APPLICATION NUMBER: 09/409,634
 ; PRIOR FILING DATE: 1999-09-30
 ; PRIOR APPLICATION NUMBER: 09/471,179
 ; PRIOR FILING DATE: 1999-12-23
 ; PRIOR APPLICATION NUMBER: 09/474,071
 ; PRIOR FILING DATE: 1999-12-29
 ; PRIOR APPLICATION NUMBER: 09/474,072
 ; PRIOR FILING DATE: 1999-12-29
 ; PRIOR APPLICATION NUMBER: 09/514,010
 ; PRIOR FILING DATE: 2000-02-25
 ; PRIOR APPLICATION NUMBER: 09/516,745
 ; PRIOR FILING DATE: 2000-03-01
 ; PRIOR APPLICATION NUMBER: 09/572,002
 ; PRIOR FILING DATE: 2000-05-14
 ; PRIOR APPLICATION NUMBER: 09/597,993
 ; PRIOR FILING DATE: 2000-06-19
 ; PRIOR APPLICATION NUMBER: 09/599,596
 ; PRIOR FILING DATE: 2000-06-22
 ; PRIOR APPLICATION NUMBER: 09/630,334
 ; PRIOR FILING DATE: 2000-07-31

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 QY 1261 GCCTGTGTTTATACCTAGAGTTACGGCTTTCGGGACTGGATTACTTCAAAAACCTGTAT 1320
 Db 1261 GCCTGTGTTTATACCTAGAGTTACGGCTTTCGGGACTGGATTACTTCAAAAACCTGTAT 1320
 QY 1321 CTAAGAGAGAAAAAGCCTCATGGACACAGATAAACAATTTTTTTCTGTTTTCGGGTGCGAGG 1380
 Db 1321 CTAAGAGAGAAAAAGCCTCATGGACACAGATAAACAATTTTTTTCTGTTTTCGGGTGCGAGG 1380
 QY 1381 CCATTTTATAGATACAGAAATTTGGAAGAAGCTTGCAAAAACAGCTAGATTTGACTGATCTC 1440
 Db 1381 CCATTTTATAGATACAGAAATTTGGAAGAAGCTTGCAAAAACAGCTAGATTTGACTGATCTC 1440
 QY 1441 AATAAACTGTTTCTGTTGATGCAAAAAAAA 1471
 Db 1441 AATAAACTGTTTCTGTTGATGCAAAAAAAA 1471

; PRIOR APPLICATION NUMBER:	09/606,565
; PRIOR FILING DATE:	2000-06-29
; PRIOR APPLICATION NUMBER:	09/606,317
; PRIOR FILING DATE:	2000-06-29
; PRIOR APPLICATION NUMBER:	09/665,666
; PRIOR FILING DATE:	2000-09-20
; PRIOR APPLICATION NUMBER:	09/677,751
; PRIOR FILING DATE:	2000-09-30
; NUMBER OF SEQ ID NOS:	162
; SEQ ID NO 145	
; LENGTH: 5058	
; TYPE: DNA	
; ORGANISM: Homo sapiens	
US-09-796-753-145	
Query Match	98.6%; Score 1450; DB 10; Length 5058;
Best Local Similarity	100.0%; Pred. No. 0;
Matches 1450; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
QY	13 AGACCTCGACCTTCACAGGACTCTTCATTGTCTGGTTGGCAATGATATCGGCCAGATGT 72
Db	1 AGACCTCGACCTTCACAGGACTCTTCATTGTCTGGTTGGCAATGATATCGGCCAGATGT 60
QY	73 GGTGAGGGCTAGAAAAGAGTTTGTGTGGAAACCCCTGGTTATCGGCCTCGTCATCTCAT 132
Db	61 GGTGAGGGCTAGAAAAGAGTTTGTGTGGAAACCCCTGGTTATCGGCCTCGTCATCTCAT 120
QY	133 ATCCCTGATTGCTCGGCAGTGTCATTTGGGAACCTTCTCATTATGTGAGATATAATCA 192
Db	121 ATCCCTGATTGCTCGGCAGTGTCATTTGGGAACCTTCTCATTATGTGAGATATAATCA 180
QY	193 AAAGAAGACCTCAATTACTATAGCACATTTGTCATTTACAACCTGACAAACTATATGCTGA 252
Db	181 AAAGAAGACCTCAATTACTATAGCACATTTGTCATTTACAACCTGACAAACTATATGCTGA 240
QY	253 GTTTGGCAGAGAGGCTTCTAACAAATTTTACAGAAATGAGCCAGAGACCTTGAATCAATGGT 312
Db	241 GTTTGGCAGAGAGGCTTCTAACAAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGT 300
QY	313 GAAAAATGCATTTTATAAATCTCCAATTAAGGGAAGAAATTTGTCAAAGTCTCAGGTTTATCAA 372
Db	301 GAAAAATGCATTTTATAAATCTCCAATTAAGGGAAGAAATTTGTCAAAGTCTCAGGTTTATCAA 360
QY	373 GTTCAGTCAACAGAGCAATGAGGTGTGGCTCATATGCTGTGATTTGTAGATTTCACTC 432
Db	361 GTTCAGTCAACAGAGCAATGAGGTGTGGCTCATATGCTGTGATTTGTAGATTTCACTC 420
QY	433 TACTCAGGATCCTGAAACTGTGTAGATAAAATTTGTTCAACTGTGTTTTACATGAAAGCTGCA 492
Db	421 TACTCAGGATCCTGAAACTGTGTAGATAAAATTTGTTCAACTGTGTTTTACATGAAAGCTGCA 480
QY	493 AGATGCTGTAGGACCCCCTAAAGTAGATCCTCACTCAGTTAAATTTAAAAAATCAACAA 552
Db	481 AGATGCTGTAGGACCCCCTAAAGTAGATCCTCACTCAGTTAAATTTAAAAAATCAACAA 540
QY	553 GACAGAAACAGACACTATCTAAACCATTGTCGCGGACACCGAAGAGTTAAACCTTAGG 612
Db	541 GACAGAAACAGACACTATCTAAACCATTGTCGCGGACACCGAAGAGTTAAACCTTAGG 600
QY	613 TCAGAGTCTCAGGATCGTTGTGGGACAGAAAGTAGAAGGGGTGAATGGCCCCCTGGCAGGC 672
Db	601 TCAGAGTCTCAGGATCGTTGTGGGACAGAAAGTAGAAGGGGTGAATGGCCCCCTGGCAGGC 660
QY	673 TAGCCTGCAGTGGGATGGGAGTCATCGCTGTGGAGCAACCTTAAATTAATGCCACATGGCT 732
Db	661 TAGCCTGCAGTGGGATGGGAGTCATCGCTGTGGAGCAACCTTAAATTAATGCCACATGGCT 720
QY	733 TGTGAGTGCTGCTCACTGTTTTACAAACATATAGAAACCCCTGCCAGATGACTGCTTCCTT 792
Db	721 TGTGAGTGCTGCTCACTGTTTTACAAACATATAGAAACCCCTGCCAGATGACTGCTTCCTT 780
QY	793 TGGAGTAAACAATAAAACCTTCGAAATGAAACGGGGTCTCCGGAGAAATAATTTGTCOATGA 852

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: P2830P1C1
 CURRENT APPLICATION NUMBER: US/09/946,374
 CURRENT FILING DATE: 2001-09-04
 PRIOR APPLICATION NUMBER: 60/098716
 PRIOR FILING DATE: 1998-09-01
 PRIOR APPLICATION NUMBER: 60/098723
 PRIOR FILING DATE: 1998-09-01
 PRIOR APPLICATION NUMBER: 60/098749
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 PRIOR APPLICATION NUMBER: 60/103396
 PRIOR FILING DATE: 1998-10-07
 PRIOR APPLICATION NUMBER: 60/103401

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PRIOR FILING DATE: 1998-10-07
PRIOR APPLICATION NUMBER: 60/103449
PRIOR FILING DATE: 1998-10-06
PRIOR APPLICATION NUMBER: 60/103633
PRIOR FILING DATE: 1998-10-08
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PRIOR APPLICATION NUMBER: 60/105002
PRIOR FILING DATE: 1998-10-20
PRIOR APPLICATION NUMBER: 60/105104
PRIOR FILING DATE: 1998-10-21
PRIOR APPLICATION NUMBER: 60/105169
PRIOR FILING DATE: 1998-10-22
PRIOR APPLICATION NUMBER: 60/105266
PRIOR FILING DATE: 1998-10-22
PRIOR APPLICATION NUMBER: 60/105693
PRIOR FILING DATE: 1998-10-26
PRIOR APPLICATION NUMBER: 60/105694
PRIOR FILING DATE: 1998-10-26
PRIOR APPLICATION NUMBER: 60/105807

Query Match 97.9%; Score 1439.4; DB 10; Length 2103;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 22 CCTTCACAGACCTTCATTGCTGGTGGCAATGATGATCGGCCAGATGTGGAGGC 81
DB 1 CCTTCACAGACCTTCATTGCTGGTGGCAATGATGATCGGCCAGATGTGGAGGC 60

QY 82 TAGGAAAGAGTTGTTGGAAACCTGGGTTATCGGCTCGTCACTTATATCCCTGAT 141
DB 61 TAGGAAAGAGTTGTTGGAAACCTGGGTTATCGGCTCGTCACTTATATCCCTGAT 120

QY 142 TGTCTCGGAGTGTGATGAGTCTCACTGTTCAATATGTCAGATATATCAAGAGAC 201
DB 121 TGTCTCGGAGTGTGATGAGTCTCACTGTTCAATATGTCAGATATATCAAGAGAC 180

QY 202 CTCAATTAATAGCACTTGTGATGATGATGATGATGATGATGATGATGATGATGAT 261
DB 181 CTCAATTAATAGCACTTGTGATGATGATGATGATGATGATGATGATGATGATGAT 240

QY 262 AGAGGCTTCAACATTTTACAGATGATGATGATGATGATGATGATGATGATGATGAT 321
DB 241 AGAGGCTTCAACATTTTACAGATGATGATGATGATGATGATGATGATGATGATGAT 300

QY 322 ATTTTATAATCTCCATTAAGGAGAGATTTGTCAAGTCTCAGGTTATCAAGTTCACTCA 381
DB 301 ATTTTATAATCTCCATTAAGGAGAGATTTGTCAAGTCTCAGGTTATCAAGTTCACTCA 360

QY 382 ACAGAGCATGGAGTGTGGCTCATATGCTGTTGATTTGATGATTTCACTCTACTGAGGA 441
DB 361 ACAGAGCATGGAGTGTGGCTCATATGCTGTTGATTTGATGATTTCACTCTACTGAGGA 420

QY 442 TCCTGAACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 501
DB 421 TCCTGAACCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 480

QY 502 AGGACCCCTAAAGTAGATCTCACTCAGTTTAAATTAATAATAATAATAATAATAATAA 561
DB 481 AGGACCCCTAAAGTAGATCTCACTCAGTTTAAATTAATAATAATAATAATAATAA 540

QY 562 AGACAGCTATCTAAACCATGCTCGGGAACAGAGAGTAAATCTTAGGTCAAGTCT 621

DB QY 541 AGACAGCTATCTAAACCATTTGCTCGGGAACAGAGAAAGTAAATCTTAGGTTCAGAGTCT 600
QY 622 CAGGATCGTTGGTGGGACAGAGATGAGAGGGTGAATGGCCCTCGGAGGCTAGCTGCA 681
DB 601 CAGGATCGTTGGTGGGACAGAGATGAGAGGGTGAATGGCCCTCGGAGGCTAGCTGCA 660
QY 682 GTGGGATCGGAGTCACTCGCTGGGAGCAACCTTAATTAATGCAATGCTGCTGAGTGC 741
DB 661 GTGGGATCGGAGTCACTCGCTGGGAGCAACCTTAATTAATGCAATGCTGCTGAGTGC 720
QY 742 TGCTCACTGTTTTTCAACATATAAGAACCTTCCAGATGAGTCTGCTCTTTGGAGTAA 801
DB 721 TGCTCACTGTTTTTCAACATATAAGAACCTTCCAGATGAGTCTGCTCTTTGGAGTAA 780
QY 802 AATAAACCCTTCGAAATGAACCGGGTCTCGGAGATTAATGTCCTGCAATGAATAACAA 861
DB 781 AATAAACCCTTCGAAATGAACCGGGTCTCGGAGATTAATGTCCTGCAATGAATAACAA 840
QY 862 ACACCCATCACATGACTATGATATTTCTTTCAGAGCTTTTCTAGCCCTGTTCCCTACAC 921
DB 841 ACACCCATCACATGACTATGATATTTCTTTCAGAGCTTTTCTAGCCCTGTTCCCTACAC 900
QY 922 AATGCACTACATAGAGTTGCTCCCTGATGATGATGATGATGATGATGATGATGATGAT 981
DB 901 AATGCACTACATAGAGTTGCTCCCTGATGATGATGATGATGATGATGATGATGATGAT 960
QY 982 GATGTTGTCAGAGGATTTGGAGCACTGAAATGATGATGATGATGATGATGATGATGATGAT 1041
DB 961 GATGTTGTCAGAGGATTTGGAGCACTGAAATGATGATGATGATGATGATGATGATGATGAT 1020
QY 1042 ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATGAACTCAAGCTTTACAATGA 1101
DB 1021 ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATGAACTCAAGCTTTACAATGA 1080
QY 1102 CGCCATAACTCCTAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1161
DB 1081 CGCCATAACTCCTAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1140
QY 1162 GGTGACTCTGGAGGACCACTGTTAGTTAGTTAGTTAGTTAGTTAGTTAGTTAGTTAGTTAG 1221
DB 1141 GGTGACTCTGGAGGACCACTGTTAGTTAGTTAGTTAGTTAGTTAGTTAGTTAGTTAGTTAG 1200
QY 1222 AATAGTGAGTGGGAGAGTGAATGTGCGAAACCCCAAGCCCTGGTGTGTTTATAGTACTAG 1281
DB 1201 AATAGTGAGTGGGAGAGTGAATGTGCGAAACCCCAAGCCCTGGTGTGTTTATAGTACTAG 1260
QY 1282 TAGCGCTTGGGAGACTGGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1341
DB 1261 TAGCGCTTGGGAGACTGGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1320
QY 1342 GAACAGATAACATTT 1401
DB 1321 GAACAGATAACATTT 1380
QY 1402 TGGAGAGACTTCCAAAACAGCTAGATTTGATGATCTCAATAACTGTTTGTGCTGATGC 1461
DB 1381 TGGAGAGACTTCCAAAACAGCTAGATTTGATGATCTCAATAACTGTTTGTGCTGATGC 1440
QY 1462 A 1462
DB 1441 A 1441

RESULT 5
US-10-015-395A-268
; Sequence 268, Application US/10015395A
; Publication No. US20040073015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan I.
; APPLICANT: Ferrara, Napoleone

; CURRENT APPLICATION NUMBER: US/10/206,915
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 319
; LENGTH: 2103
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-206-915-319

Query Match 97.9%; Score 1439.4; DB 13; Length 2103;
Best Local Similarity 99.9%; Pred No. 0;
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 22 CCTTCACAGGACTCTTCATTCGTTGGCAATGATGATCGCCAGATGTGGTGGAGGC 81
Db 1 CCTTCACAGGACTCTTCATTCGTTGGCAATGATGATCGCCAGATGTGGTGGAGGC 60
QY 82 TAGGAAAGAGTTTCTGGACCTGGTTATCGGCTCGTCATCTTCATATCCCTGAT 141
Db 61 TAGGAAAGAGTTTCTGGACCTGGTTATCGGCTCGTCATCTTCATATCCCTGAT 120
QY 142 TGCTCGGAGTGTGCATTTGAGTCACTGCTTCATTTATGTGAGATATAATCAAAAGAGAC 201
Db 121 TGCTCGGAGTGTGCATTTGAGTCACTGCTTCATTTATGTGAGATATAATCAAAAGAGAC 180
QY 202 CTACAAATCTATAGACATTTGTCAATTAACACTGACAACTATATGCTGAGTTGGAG 261
Db 181 CTACAAATCTATAGACATTTGTCAATTAACACTGACAACTATATGCTGAGTTGGAG 240
QY 262 AGAGGCTTCTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTCAAAAATGC 321
Db 241 AGAGGCTTCTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTCAAAAATGC 300
QY 322 ATTTTATAATCTCCATTAAGGGAAGATTTGTCAAGTCTCAGGTTATCAAGTTCAAGTCA 381
Db 301 ATTTTATAATCTCCATTAAGGGAAGATTTGTCAAGTCTCAGGTTATCAAGTTCAAGTCA 360
QY 382 ACAGAGCATGAGTGTGGCTCATATGCTGTTGATTTGATATTTCACTCTACTGAGGA 441
Db 361 ACAGAGCATGAGTGTGGCTCATATGCTGTTGATTTGATATTTCACTCTACTGAGGA 420
QY 442 TCTGAAACTGTAGATAAATTTGTTCAACTGTTTTCATGATAAAGCTCAAGATGCTGT 501
Db 421 TCTGAAACTGTAGATAAATTTGTTCAACTGTTTTCATGATAAAGCTCAAGATGCTGT 480
QY 502 AGGACCCCTTAAAGTAGATCTCTCACTCAGTTAAATTTAAATAATCAACAGACAGAAAC 561
Db 481 AGGACCCCTTAAAGTAGATCTCTCACTCAGTTAAATTTAAATAATCAACAGACAGAAAC 540
QY 562 AGACAGCTATCTAAACATGTTGCGGACACAGCAAGTAAACTCTAGGTCAGATGCT 621
Db 541 AGACAGCTATCTAAACATGTTGCGGACACAGCAAGTAAACTCTAGGTCAGATGCT 600

QY 622 CAGGATCGTTGGTGGGACAGAACTAGAGAGGTTGAATGCGCTGGCAGGCTAGCCTGCA 681
Db 601 CAGGATCGTTGGTGGGACAGAACTAGAGAGGTTGAATGCGCTGGCAGGCTAGCCTGCA 660
QY 682 GTGGATGGGAGTCACTGCTGTGGAGCAACCTTAATTAATGCCACATGGCTTTGAGTGC 741
Db 661 GTGGATGGGAGTCACTGCTGTGGAGCAACCTTAATTAATGCCACATGGCTTTGAGTGC 720
QY 742 TGCTCACTGTTTACAAACATATAAGAACCTCGCAGATGAGTGTCTTCCCTTTGGAGTAAC 801
Db 721 TGCTCACTGTTTACAAACATATAAGAACCTCGCAGATGAGTGTCTTCCCTTTGGAGTAAC 780
QY 802 AATAAAACCTTCGAAATGAACGGGCTCTCCGAGAAATAATTGCTCCATGAAATAACAA 861
Db 781 AATAAAACCTTCGAAATGAACGGGCTCTCCGAGAAATAATTGCTCCATGAAATAACAA 840
QY 862 ACACCCATCATGACTATGATATTTCTTTGAGAGCTTTCTAGAGCTTTTCCCTTACAC 921
Db 841 ACACCCATCATGACTATGATATTTCTTTGAGAGCTTTCTAGAGCTTTTCCCTTACAC 900
QY 922 AATGCACTACATAGAGTTTGTCTCCCTGATGATCCCTATGAGTTTCAACCCAGGTGATG 981
Db 901 AATGCACTACATAGAGTTTGTCTCCCTGATGATCCCTATGAGTTTCAACCCAGGTGATG 960
QY 982 GATGTTTGTGACAGGATTTGGAGCACTGAAATAATGATGGTTTACAGTCAAAATCATCTTCG 1041
Db 961 GATGTTTGTGACAGGATTTGGAGCACTGAAATAATGATGGTTTACAGTCAAAATCATCTTCG 1020
QY 1042 ACAAGCAAGGTGACTCTCATAGACGCTCACTTGGCAATGCACTCAAGCTTCAATGA 1101
Db 1021 ACAAGCAAGGTGACTCTCATAGACGCTCACTTGGCAATGCACTCAAGCTTCAATGA 1080
QY 1102 CGCCATAACTCTCTAGAAATGTTATGCTGGCTCGCTTGAAGAGAAAACAGATGATGCCA 1161
Db 1081 CGCCATAACTCTCTAGAAATGTTATGCTGGCTCGCTTGAAGAGAAAACAGATGATGCCA 1140
QY 1162 GGGTGACTCTGGAGGACCACTGGTTAGTTTCAAGTCTAGAGATATCTGGTACCTTGTCTGG 1221
Db 1141 GGGTGACTCTGGAGGACCACTGGTTAGTTTCAAGTCTAGAGATATCTGGTACCTTGTCTGG 1200
QY 1222 AATGAGCTGGGAGAGATGAATGTGCGAAACCCAAACAGGCTGGTGTATCTAGT 1281
Db 1201 AATGAGCTGGGAGAGATGAATGTGCGAAACCCAAACAGGCTGGTGTATCTAGT 1260
QY 1282 TAGGCTCTGGGAGTGGATTTACTTCAAAAACCTGGTATCTAAGAGAGAAAAGCCTCATG 1341
Db 1261 TAGGCTCTGGGAGTGGATTTACTTCAAAAACCTGGTATCTAAGAGAGAAAAGCCTCATG 1320
QY 1342 GAACAGATAACATTTTTTTTTTTTTTTGGTGTGGAGGCCATTTTATAGAGATACAGAA 1401
Db 1321 GAACAGATAACATTTTTTTTTTTTTTTGGTGTGGAGGCCATTTTATAGAGATACAGAA 1380
QY 1402 TGGAGAGACTTGCAAAACAGATTTGATCTCATTAACCTGTTGCTTGTATGTC 1461
Db 1381 TGGAGAGACTTGCAAAACAGATTTGATCTCATTAACCTGTTGCTTGTATGTC 1440
QY 1462 A 1462
Db 1441 A 1441

RESULT 7
US-10-199-670-319
; Sequence 319, Application US/10199670
; Publication No. US20040033560A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

QY	502	AGGACCCCTAAAGTAGATCTCTCACTCAGTTAAATTAATAAATCAACAGACAGAAC	561
Db	481	AGGACCCCTAAAGTAGATCTCTCACTCAGTTAAATTAATAAATCAACAGACAGAAC	540
QY	562	AGACAGCTATCTAAACCAATGCTGGGAACAGAGAGAGTAAATCTTAGGTCAGAGTCT	621
Db	541	AGACAGCTATCTAAACCAATGCTGGGAACAGAGAGAGTAAATCTTAGGTCAGAGTCT	600
QY	622	CAGGATCGTTGGTGGGACAGAGTAGAGAGGCTGAATGGCCCTGGCAGGCTAGCTGCA	681
Db	601	CAGGATCGTTGGTGGGACAGAGTAGAGAGGCTGAATGGCCCTGGCAGGCTAGCTGCA	660
QY	682	GTGGGATGGGAGTCACTCGCTGTGGAGCAACCTTAATTAATGATGCAATGGCTTGTGAGTGC	741
Db	661	GTGGGATGGGAGTCACTCGCTGTGGAGCAACCTTAATTAATGATGCAATGGCTTGTGAGTGC	720
QY	742	TGCTCACTGTTTTTACAACATATAAGAACCCCTGCCAGATGGACTGCTTCTTTGGAGTAAC	801
Db	721	TGCTCACTGTTTTTACAACATATAAGAACCCCTGCCAGATGGACTGCTTCTTTGGAGTAAC	780
QY	802	AATAAACCCTTCGAAATGAACGGGGTCTCCGGAGAAATAATGTCCATGAAATAACAA	861
Db	781	AATAAACCCTTCGAAATGAACGGGGTCTCCGGAGAAATAATGTCCATGAAATAACAA	840
QY	862	ACACCCATCACATGACTATGATATTTCTCTTGACAGAGCTTTTACGCCCTGTTCCCTACAC	921
Db	841	ACACCCATCACATGACTATGATATTTCTCTTGACAGAGCTTTTACGCCCTGTTCCCTACAC	900
QY	922	AAATGAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACCCAGTGTATGT	981
Db	901	AAATGAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACCCAGTGTATGT	960
QY	982	GATGTTTGTGACAGGATTTGGAGCACTGAAATAATGATGTTTACAGTCAAAATCATCTTCG	1041
Db	961	GATGTTTGTGACAGGATTTGGAGCACTGAAATAATGATGTTTACAGTCAAAATCATCTTCG	1020
QY	1042	ACAAGCACAGGTGACTCTCTATAGACGCTCAAACTTGCAATGAACCTCAAGCTTACATGA	1101
Db	1021	ACAAGCACAGGTGACTCTCTATAGACGCTCAAACTTGCAATGAACCTCAAGCTTACATGA	1080
QY	1102	CGCCATAACTCTTAGAATGTTTGTGCTGCTCTCTAGAGGAAACACAGATGATGCCA	1161
Db	1081	CGCCATAACTCTTAGAATGTTTGTGCTGCTCTCTAGAGGAAACACAGATGATGCCA	1140
QY	1162	GGGTGACTCTGGAGGACCACTGGTTAGTTCAGATGCTAGAGATATCTGGTACCTTGTCTGG	1221
Db	1141	GGGTGACTCTGGAGGACCACTGGTTAGTTCAGATGCTAGAGATATCTGGTACCTTGTCTGG	1200
QY	1222	AATAGTGAGCTGGGAGATGAATGTGGAAACCCAAACAGCCTGGTGTATATAGTGT	1281
Db	1201	AATAGTGAGCTGGGAGATGAATGTGGAAACCCAAACAGCCTGGTGTATATAGTGT	1260
QY	1282	TACGGCTTGGGAGCTGGATTAATCTCAAAACCTGGTATCTTAAGAGAGAAAGCCTCATG	1341
Db	1261	TACGGCTTGGGAGCTGGATTAATCTCAAAACCTGGTATCTTAAGAGAGAAAGCCTCATG	1320
QY	1342	GACAGATTAACATTTTTTTTTTTTTTTTGGGTGGAGGCCATTTTTTAGAGATACAGAT	1401
Db	1321	GACAGATTAACATTTTTTTTTTTTTTTTGGGTGGAGGCCATTTTTTAGAGATACAGAT	1380
QY	1402	TGGAGAGACTTGCAGAAACAGCTAGATTTGATCTCAATTAATCTGTTTGTGATGC	1461
Db	1381	TGGAGAGACTTGCAGAAACAGCTAGATTTGATCTCAATTAATCTGTTTGTGATGC	1440
QY	1462	A 1462	
Db	1441	A 1441	

RESULT 8
US-10-201-858-319
; Sequence 319, Application US/10201858

APPLICANT:	Pan,James		
APPLICANT:	Smith,Victoria		
APPLICANT:	Watanabe,Colin K.		
APPLICANT:	Wood,William I.		
APPLICANT:	Zhang,Zemin		
TITLE OF INVENTION:	SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC		
TITLE OF INVENTION:	ACIDS ENCODING THE SAME		
FILE REFERENCE:	P3430RIC401		
CURRENT APPLICATION NUMBER:	US/10/199,670		
CURRENT FILING DATE:	2002-07-19		
PRIOR APPLICATION NUMBER:	10/052586		
PRIOR FILING DATE:	2002-01-15		
PRIOR APPLICATION NUMBER:	60/059263		
PRIOR FILING DATE:	1997-09-18		
PRIOR APPLICATION NUMBER:	60/059266		
PRIOR FILING DATE:	1997-09-18		
PRIOR APPLICATION NUMBER:	60/062250		
PRIOR FILING DATE:	1997-10-17		
PRIOR APPLICATION NUMBER:	60/063120		
PRIOR FILING DATE:	1997-10-24		
PRIOR APPLICATION NUMBER:	60/063121		
PRIOR FILING DATE:	1997-10-24		
PRIOR APPLICATION NUMBER:	60/063486		
PRIOR FILING DATE:	1997-10-21		
PRIOR APPLICATION NUMBER:	60/063540		
PRIOR FILING DATE:	1997-10-28		
PRIOR APPLICATION NUMBER:	60/063541		
PRIOR FILING DATE:	1997-10-28		
PRIOR APPLICATION NUMBER:	60/063544		
PRIOR FILING DATE:	1997-10-28		
Prior Application data removed - See File Wrapper or PALM.			
NUMBER OF SEQ ID NOS:	612		
SEQ ID NO 319			
LENGTH:	2103		
TYPE:	DNA		
ORGANISM:	Homo Sapien		
US-10-199-670-319			
Query Match	97.9%; Score 1439.4; DB 13; Length 2103;		
Best Local Similarity	99.9%; Pred. No. 0;		
Matches 1440; Conservative	0; Mismatches 1; Indels 0; Gaps 0;		
QY	22	CTTTCACAGACTCTTCACTGCTGGTGGCAATGATGTCGGCCAGATGTTGGAGGC	81
Db	1	CTTTCACAGACTCTTCACTGCTGGTGGCAATGATGTCGGCCAGATGTTGGAGGC	60
QY	82	TAGGAAAGAGTTGTTGGGAACCTTGGTTATTCGGCTCGTCTCATCTTCATATCCCTGAT	141
Db	61	TAGGAAAGAGTTGTTGGGAACCTTGGTTATTCGGCTCGTCTCATCTTCATATCCCTGAT	120
QY	142	TGCTCTGCGAGTGTGCACTGACTCACTGTTTCAATATGTGAGATATAATCAAAAGAGAC	201
Db	121	TGCTCTGCGAGTGTGCACTGACTCACTGTTTCAATATGTGAGATATAATCAAAAGAGAC	180
QY	202	CTACAATTACTATAGACATGTCATTTTACAACTGACAACTATATGCTGAGTTTGGCAG	261
Db	181	CTACAATTACTATAGACATGTCATTTTACAACTGACAACTATATGCTGAGTTTGGCAG	240
QY	262	AGAGGCTTCTAACTTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC	321
Db	241	AGAGGCTTCTAACTTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC	300
QY	322	ATTTTATAAATCTCAATTAAGGGAAGAAATTTGTCAAGTCTCAGGTTTCAAGTTTCAAGTCA	381
Db	301	ATTTTATAAATCTCAATTAAGGGAAGAAATTTGTCAAGTCTCAGGTTTCAAGTTTCAAGTCA	360
QY	382	ACAGAAAGCATGAGTGTGGCTCATATGCTGTTGATTTTACATTTTCACTCTACTGAGGA	441
Db	361	ACAGAAAGCATGAGTGTGGCTCATATGCTGTTGATTTTACATTTTCACTCTACTGAGGA	420
QY	442	TCCTGAAACTGTAGATAAAATTTGTTTCAACTGTTTTCATGATAAGAAAGCTGCAAGATGCTGT	501
Db	421	TCCTGAAACTGTAGATAAAATTTGTTTCAACTGTTTTCATGATAAGAAAGCTGCAAGATGCTGT	480

QY 1462 A 1462
Db 1441 A 1441

RESULT 9

US-10-205-890-319
; Sequence 319, Application US/10205890
; Publication No. US20040048334A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C519

; CURRENT APPLICATION NUMBER: US/10/205,890

; PRIORITY FILING DATE: 2002-07-26

; PRIORITY APPLICATION NUMBER: 10/052586

; PRIORITY FILING DATE: 2002-01-15

; PRIORITY APPLICATION NUMBER: 60/059263

; PRIORITY FILING DATE: 1997-09-18

; PRIORITY APPLICATION NUMBER: 60/059266

; PRIORITY FILING DATE: 1997-09-18

; PRIORITY APPLICATION NUMBER: 60/062250

; PRIORITY FILING DATE: 1997-10-17

; PRIORITY APPLICATION NUMBER: 60/063120

; PRIORITY FILING DATE: 1997-10-24

; PRIORITY APPLICATION NUMBER: 60/063121

; PRIORITY FILING DATE: 1997-10-24

; PRIORITY APPLICATION NUMBER: 60/063486

; PRIORITY FILING DATE: 1997-10-21

; PRIORITY APPLICATION NUMBER: 60/063540

; PRIORITY FILING DATE: 1997-10-28

; PRIORITY APPLICATION NUMBER: 60/063541

; PRIORITY FILING DATE: 1997-10-28

; PRIORITY APPLICATION NUMBER: 60/063544

; PRIORITY FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 319

; LENGTH: 2103

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-205-890-319

Query Match 97.9%; Score 1439.4; DB 13; Length 2103;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 22 CCTTCACAGGACTCTTCATTCGCTGGTGGCAATGATGATCGGCCAGATGTGGTGAGGGC 81
Db 1 CCTTCACAGGACTCTTCATTCGCTGGTGGCAATGATGATCGGCCAGATGTGGTGAGGGC 60
QY 82 TAGGAAAGAGTTTCTGGGACCTCGGTTATCGGCTCGTCATCTTCATATCCCTCAT 141
Db 61 TAGGAAAGAGTTTCTGGGACCTCGGTTATCGGCTCGTCATCTTCATATCCCTCAT 120
QY 142 TGCTCGGAGTGTCATTCGACTCACTGTTTCATTTATGTGATATATCAAAAGAGAC 201
Db 121 TGCTCGGAGTGTCATTCGACTCACTGTTTCATTTATGTGATATATCAAAAGAGAC 180
QY 202 CTACAATTACTATAGCACATTCCTCATTTACAACTGACAAACTATATGCTGAGTTGGCAG 261
Db 181 CTACAATTACTATAGCACATTCCTCATTTACAACTGACAAACTATATGCTGAGTTGGCAG 240

QY 262 AGAGGCTTCTAAACAATTTTACAGAATGAGCCAGAGACTTGAATCAATCGTGAATAATGC 321
Db AGAGGCTTCTAAACAATTTTACAGAATGAGCCAGAGACTTGAATCAATCGTGAATAATGC 300
QY 322 ATTTTATAAATCTCCATTAAAGGAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCACTCA 381
Db ATTTTATAAATCTCCATTAAAGGAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCACTCA 360
QY 382 ACAGAAGCATGGAGTGTGGCTCATATGCTGTTGATTGTTAGATTTTCACTCTACTCAGGA 441
Db ACAGAAGCATGGAGTGTGGCTCATATGCTGTTGATTGTTAGATTTTCACTCTACTCAGGA 420
QY 442 TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTTACATGAAAAAGCTGCAAGATCTGT 501
Db TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTTACATGAAAAAGCTGCAAGATCTGT 480
QY 502 AGGACCCCTAAAGTAGATCCCTCACTCAGTTAAATTTAAAAATCAACAGACAGAAAC 561
Db AGGACCCCTAAAGTAGATCCCTCACTCAGTTAAATTTAAAAATCAACAGACAGAAAC 540
QY 562 AGACAGCTATCTAAACCATTTGTCGGAACACAGAGAGTAAACTCTAGGTCAGAGTCT 621
Db AGACAGCTATCTAAACCATTTGTCGGAACACAGAGAGTAAACTCTAGGTCAGAGTCT 600
QY 622 CAGGATCGTTGGTGGACAGAGTAGAAGAGGCTGAATGGCCCTGGCAGGCTAGCCTGCA 681
Db CAGGATCGTTGGTGGACAGAGTAGAAGAGGCTGAATGGCCCTGGCAGGCTAGCCTGCA 660
QY 682 GTGGATGGGAGTCATCGCTGTGGAGCAACTTAATTAATGCCACATGGCTTGTGAGTGC 741
Db GTGGATGGGAGTCATCGCTGTGGAGCAACTTAATTAATGCCACATGGCTTGTGAGTGC 720
QY 742 TGCTCACTGTTTACACACATATAGAACCTGCGCAGATGACTGCTCTCTTTGGAGTAAC 801
Db TGCTCACTGTTTACACACATATAGAACCTGCGCAGATGACTGCTCTCTTTGGAGTAAC 780
QY 802 AATAAAACCTTCGAAAAATGAACGGGCTCTCCGAGAGATAATTTGTCATGAAAAATCA 861
Db AATAAAACCTTCGAAAAATGAACGGGCTCTCCGAGAGATAATTTGTCATGAAAAATCA 840
QY 862 ACACCCATCATGACTATGATATTTCTCTTGAGAGACTTTCTAGCCCTGTTCCCTACAC 921
Db ACACCCATCATGACTATGATATTTCTCTTGAGAGACTTTCTAGCCCTGTTCCCTACAC 900
QY 922 AATGTCAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACAGAGTATGT 981
Db AATGTCAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACAGAGTATGT 960
QY 982 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGGTTACAGTCAAAATCATCTTCG 1041
Db GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGGTTACAGTCAAAATCATCTTCG 1020
QY 1042 ACAAGCACAGGTGACTCTCATAGACCTACAACTTGAATGAACCTCAAGCTTCAATGA 1101
Db ACAAGCACAGGTGACTCTCATAGACCTACAACTTGAATGAACCTCAAGCTTCAATGA 1080
QY 1102 CGCCATAACTCCTAGATGTTTATGCTGCTGCTCTTAGAGAGAAAAACAGATGATGCCA 1161
Db CGCCATAACTCCTAGATGTTTATGCTGCTGCTCTTAGAGAGAAAAACAGATGATGCCA 1140
QY 1162 GGGTGACTCTGGAGGACCACTGGTTAGTTAGATGCTGAGATATCTGGTTACCTTGTCTGG 1221
Db GGGTGACTCTGGAGGACCACTGGTTAGTTAGATGCTGAGATATCTGGTTACCTTGTCTGG 1200
QY 1222 AATAGTGAGCTGGGAGATGAATGTGGAAACCCAAAGCCTGGTGTATCTAGAGT 1281
Db AATAGTGAGCTGGGAGATGAATGTGGAAACCCAAAGCCTGGTGTATCTAGAGT 1260
QY 1282 TACGSCCTTGGGAGCTGGAATTTACTTCAAAACTGGTATCTAAGAGAGAAAAAGCCTCATG 1341
Db TACGSCCTTGGGAGCTGGAATTTACTTCAAAACTGGTATCTAAGAGAGAAAAAGCCTCATG 1320

Qy	1222	AATAGTCAGCTGGGAGCATGAATCTGCGAAACCCAAACAGCCTGGTGTATTATCTAGAGT	1281
Db	1201	AATAGTCAGCTGGGAGCATGAATCTGGAAACCCAAACAGCCTGGTGTATTACTAGAGT	1260
Qy	1282	TACGGCCTTCGGGACTCGGAACTTACTTCAAAACTGGTATCTAAAGAGAGAAAAAGCCTCATG	1341
Db	1261	TACGGCCTTCGGGACTCGGAACTTACTTCAAAACTGGTATCTAAAGAGACAAAAGCCTCATG	1320
Qy	1342	GAACAGATACATTTTTTTTTTTTTTTTTTTTTGGTGTGGAGGCCATTTTTTTAGAGATACAGAAT	1401
Db	1321	GAACAGATACATTTTTTTTTTTTTTTTTTTTTGGTGTGGAGGCCATTTTTTTAGAGATACAGAT	1380
Qy	1402	TGGAGAGACCTTGCAAAACAGCTAGATTTGACTGATCTCAATAAAGCTTTTGGTTGATGC	1461
Db	1381	TGGAGAGACCTTGCAAAACAGCTAGATTTGACTGATCTCAATAAAGCTTTTGGTTGATGC	1440
Qy	1462	A 1462	
Db	1441	A 1441	

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RESULT 11
US-10-201-853-319
; Sequence 319, Application US/10201853
; Publication No. US20040053358A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey J.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C465
; CURRENT APPLICATION NUMBER: US/10/201,853
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 319
; LENGTH: 2103
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-201-853-319

```

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Query Match          97.9%; Score 1439.4; DB 13; Length 2103;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY	22	CCTT	CA	CAGG	ACTCTT	CATT	CGTCTGGT	CGGCAATG	ATGATCGG	CCAGATG	GTGTGAGG	GC	81		
DB	1	CCTT	CA	CAGG	ACTCTT	CATT	CGTCTGGT	CGGCAATG	ATGATCGG	CCAGATG	GTGTGAGG	GC	60		
QY	82	TAGG	AAAAGAG	TTTGT	TGGGAA	CCCTCG	TGGTAT	CGGCCCT	CGTCA	TCTT	TCATAT	CCCTGAT	141		
DB	61	TAGG	AAAAGAG	TTTGT	TGGGAA	CCCTCG	TGGTAT	CGGCCCT	CGTCA	TCTT	TCATAT	CCCTGAT	120		
QY	142	TGTCT	TGGCAG	TGTG	CAAT	TGGACT	CACTG	TTCATT	TATG	TGAGAT	AATATCAA	AGAGAC	201		
DB	121	TGTCT	TGGCAG	TGTG	CAAT	TGGACT	CACTG	TTCATT	TATG	TGAGAT	AATATCAA	AGAGAC	180		
QY	202	CTCA	AAATTA	CTAT	PAGC	ACAT	TGTCTA	TTACAA	CTCGAC	AAATATAT	TATGCTG	AGTTTGGCAG	261		
DB	181	CTCA	AAATTA	CTAT	PAGC	ACAT	TGTCTA	TTACAA	CTCGAC	AAATATAT	TATGCTG	AGTTTGGCAG	240		
QY	262	AGAG	GGCTTCT	TAA	CAATTTT	TACAG	AAATG	AGCCAG	AGAC	CTTGA	ATCA	ATGTTGGA	AAATGC	321	
DB	241	AGAG	GGCTTCT	TAA	CAATTTT	TACAG	AAATG	AGCCAG	AGAC	CTTGA	ATCA	ATGTTGGA	AAATGC	300	
QY	322	ATTTT	TATA	ATCTCC	AAATTA	AGGGA	AGAA	TTTGTCA	AGTCTC	AGGTTT	TATCA	AGTTCAGTCA	381		
DB	301	ATTTT	TATA	ATCTCC	AAATTA	AGGGA	AGAA	TTTGTCA	AGTCTC	AGGTTT	TATCA	AGTTCAGTCA	360		
QY	382	ACGA	AGCAT	TGGAG	TGTGG	CTCAT	TGCTG	TGTGAT	TTTGT	TGATTT	CACTT	CTACTT	TAGGAG	441	
DB	361	ACGA	AGCAT	TGGAG	TGTGG	CTCAT	TGCTG	TGTGAT	TTTGT	TGATTT	CACTT	CTACTT	TAGGAG	420	
QY	442	TCCT	TGAA	CTGT	TAGAT	AAAA	TTTG	TCTC	AACTG	TTTAC	ATGA	AAAGTCTC	CAAGATG	501	
DB	421	TCCT	TGAA	CTGT	TAGAT	AAAA	TTTG	TCTC	AACTG	TTTAC	ATGA	AAAGTCTC	CAAGATG	480	
QY	502	AGG	ACCCCT	TAAAG	TAGAT	CCTC	CACTC	AGT	TTAAAA	TTAAAA	AAATCA	CAAGAC	GAAC	561	
DB	481	AGG	ACCCCT	TAAAG	TAGAT	CCTC	CACTC	AGT	TTAAAA	TTAAAA	AAATCA	CAAGAC	GAAC	540	
QY	562	AGA	CAGT	TAT	TAA	CCATT	GCTG	CGG	AAAC	CA	CGA	AGAT	TAAACT	CTTAGG	621
DB	541	AGA	CAGT	TAT	TAA	CCATT	GCTG	CGG	AAAC	CA	CGA	AGAT	TAAACT	CTTAGG	600
QY	622	CAG	GATCG	TG	TG	TGGG	ACAG	AGT	TAGA	AGG	GTGA	ATGG	CCCTG	GCAG	681
DB	601	CAG	GATCG	TG	TG	TGGG	ACAG	AGT	TAGA	AGG	GTGA	ATGG	CCCTG	GCAG	660
QY	682	GTG	GGAT	TGGG	AGT	CAT	CGCT	TG	TG	GAG	CAA	CC	TAA	TTA	741
DB	661	GTG	GGAT	TGGG	AGT	CAT	CGCT	TG	TG	GAG	CAA	CC	TAA	TTA	720
QY	742	TGCT	CAC	TG	TTT	TAC	A	CA	TAT	AG	AA	CCCTG	CCAG	ATG	801
DB	721	TGCT	CAC	TG	TTT	TAC	A	CA	TAT	AG	AA	CCCTG	CCAG	ATG	780
QY	802	AA	TAAAA	CC	TTT	CG	AAAT	TGA	AC	CGG	GTCT	CCG	GAG	AA	861
DB	781	AA	TAAAA	CC	TTT	CG	AAAT	TGA	AC	CGG	GTCT	CCG	GAG	AA	840
QY	862	A	C	CC	CA	T	C	A	T	G	A	T	A	T	921
DB	841	A	C	CC	CA	T	C	A	T	G	A	T	A	T	900
QY	922	AA	AT	CG	AG	T	A	C	A	T	AG	TTT	G	T	981
DB	901	AA	AT	CG	AG	T	A	C	A	T	AG	TTT	G	T	960
QY	982	G	A	T	G	T	T	T	G	A	C	A	T	G	1041
DB	961	G	A	T	G	T	T	T	G	A	C	A	T	G	1020
QY	1042	A	C	A	G	C	A	C	A	G	G	T	G	A	1101
DB	1021	A	C	A	G	C	A	C	A	G	G	T	G	A	1080

Db	1261	TACGGCTTGGGACTGGATTACTTCAAAAAGTGTATCTAAGAGCAAAAAGCCTCATG	1320
Qy	1342	GAACAGATAACATTTTGTGTTTGGGTGTGGAGCCATTTTGTAGAGATACAGAAAT	1401
Db	1321	GAACAGATAACATTTTGTGTTTGGGTGTGGAGCCATTTTGTAGAGATACAGAAAT	1380
Qy	1402	TGGAGAAGACTTGCAGAAAAGCTAGATTTGACTGATCTCAATATAAATGTTGCTTCATGC	1461
Db	1381	TGGAGAAGACTTGCAGAAAAGCTAGATTTGACTGATCTCAATATAAATGTTGCTTCATGC	1440
Qy	1462	A 1462	
Db	1441	A 1441	
RESULT 13			
US-10-063-512-105			
; Sequence 105, Application US/10063512			
; Publication No. US20030018183A1			
; GENERAL INFORMATION:			
; APPLICANT: Eaton, Dan L.			
; APPLICANT: Filvaroff, Ellen			
; APPLICANT: Gerritsen, Mary E.			
; APPLICANT: Goddard, Audrey			
; APPLICANT: Godowski, Paul J.			
; APPLICANT: Grimaldi, Christopher J.			
; APPLICANT: Gurney, Austin L.			
; APPLICANT: Watanabe, Colin K.			
; APPLICANT: Wood, William I.			
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC			
; FILE REFERENCE: P3230R1C1			
; CURRENT APPLICATION NUMBER: US/10/063,512			
; CURRENT FILING DATE: 2002-05-01			
; Prior Application removed - See File Wrapper or Palm			
; NUMBER OF SEQ ID NOS: 170			
; SEQ ID NO 105			
; TYPE: DNA			
; ORGANISM: Homo Sapien			
US-10-063-512-105			
Query Match 97.9%; Score 1439.4; DB 13; Length 2103;			
Best Local Similarity 99.9%; Pred. No. 0;			
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;			
Qy	22	CCCTCACAGGACTCTTCATTTGCTGTTGGCAATGATGATCGGCCAGATGGTGGAGGC	81
Db	1	CCCTCACAGGACTCTTCATTTGCTGTTGGCAATGATGATCGGCCAGATGGTGGAGGC	60
Qy	82	TAGGAAAAGAGTTGTTGGGAACCCCTGGGTTATCGGCTCGTCATCTTCATATCCCTGAT	141
Db	61	TAGGAAAAGAGTTGTTGGGAACCCCTGGGTTATCGGCTCGTCATCTTCATATCCCTGAT	120
Qy	142	TGCTCTGGCAGTGTGATTTGAGTCTCACTGTTTCATTTATGTGAGATATAATCAAAAGAGAC	201
Db	121	TGCTCTGGCAGTGTGATTTGAGTCTCACTGTTTCATTTATGTGAGATATAATCAAAAGAGAC	180
Qy	202	CTACAATTACTATAGCACATTTGCAATTTACAATGACAAACTATATGCTGAGTTGGCAG	261
Db	181	CTACAATTACTATAGCACATTTGCAATTTACAATGACAAACTATATGCTGAGTTGGCAG	240
Qy	262	AGAGGCTTCAACATTTTACAGAAATGAGCCAGAGACTTGAATCAATGTTGAAAATGC	321
Db	241	AGAGGCTTCTAAACATTTTACAGAAATGAGCCAGAGACTTGAATCAATGTTGAAAATGC	300
Qy	322	ATTTTATAATCTCCATTAAAGGAAGAAATTTGTCAGAGTCTCAGGTTATCAAGTTTCAGTCA	381
Db	301	ATTTTATAATCTCCATTAAAGGAAGAAATTTGTCAGAGTCTCAGGTTATCAAGTTTCAGTCA	360
Qy	382	ACAGAAGCATGGAGTGTGGCTCATATGCTGTTGATTTGATTTGATTTTCACTCTACTGAGGA	441
Db	361	ACAGAAGCATGGAGTGTGGCTCATATGCTGTTGATTTGATTTTCACTCTACTGAGGA	420

RESULT 15
US-10-063-549-105
; Sequence 105, Application US/10063549
; Publication No. US20030027986A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Geri, Esen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.

```

; APPLICANT: Wood,William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,549
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 105
; LENGTH: 2103
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-063-549-105

Query Match      97.9%; Score 1439.4; DB 13; Length 2103;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 22 CCTTCCAGGACTCTTCATTGCTGGTGGCAATGATGTCGGCCAGATGTGTGAGGGC 81
DB 1 CCTTCCAGGACTCTTCATTGCTGGTGGCAATGATGTCGGCCAGATGTGTGAGGGC 60

QY 82 TAGGAAAGAGTTTGTGGGAACCCCTGGTGTATCGGCTCGTCATCTTCATATCCCTGAT 141
DB 61 TAGGAAAGAGTTTGTGGGAACCCCTGGTGTATCGGCTCGTCATCTTCATATCCCTGAT 120

QY 142 TGCTCGCAGTGTGCATTTGAGCTCACTGTTCAATTTGTGAGATATATCAAAAGAGAC 201
DB 121 TGCTCGCAGTGTGCATTTGAGCTCACTGTTCAATTTGTGAGATATATCAAAAGAGAC 180

QY 202 CTCAATTTACATAGCATTGTCTATTTTCACTGACAACTATATATGCTGATTTGGCAG 261
DB 181 CTCAATTTACATAGCATTGTCTATTTTCACTGACAACTATATATGCTGATTTGGCAG 240

QY 262 AGAGGCTTCAACAAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 321
DB 241 AGAGGCTTCAACAAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 300

QY 322 ATTTTATAAATCTCAATTAAGGAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCAGTCA 381
DB 301 ATTTTATAAATCTCAATTAAGGAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCAGTCA 360

QY 382 ACAGAGCATGGAGTGTGGCTCATATGCTGTGATTTGTAGATTTCACTTACTTGAGGA 441
DB 361 ACAGAGCATGGAGTGTGGCTCATATGCTGTGATTTGTAGATTTCACTTACTTGAGGA 420

QY 442 TCCTGAAACTGTGAGATAAAATTTGTTCACTTGTGTTTATGATAAAAGCTGCAAGTGTGT 501
DB 421 TCCTGAAACTGTGAGATAAAATTTGTTCACTTGTGTTTATGATAAAAGCTGCAAGTGTGT 480

QY 502 AGGACCCCTAAAGTAGATCCCTCACTCAGTTAAATTTAAATAATCAACAGACAGAAAC 561
DB 481 AGGACCCCTAAAGTAGATCCCTCACTCAGTTAAATTTAAATAATCAACAGACAGAAAC 540

QY 562 AGACAGCTATCTAAACCAATTTGCTGGGAAACAGAGAGTAAATCTTAGGTGAGTGT 621
DB 541 AGACAGCTATCTAAACCAATTTGCTGGGAAACAGAGAGTAAATCTTAGGTGAGTGT 600

QY 622 CAGATTCGTTGGGACAGAGTAGAGAGGGTGAATGGCCCTGGCAGGCTAGCTGCA 681
DB 601 CAGATTCGTTGGGACAGAGTAGAGAGGGTGAATGGCCCTGGCAGGCTAGCTGCA 660

QY 682 GTGGGATGGAGTCACTCGCTGTGAGCAACCTTAAATTAATGCCATGCTTGTGAGTGC 741
DB 661 GTGGGATGGAGTCACTCGCTGTGAGCAACCTTAAATTAATGCCATGCTTGTGAGTGC 720

QY 742 TGCTCACTGTTTACAACTATATAAGAACCCCTGCCAGATGGACTGCTTCTTTGGAGTAAC 801
DB 721 TGCTCACTGTTTACAACTATATAAGAACCCCTGCCAGATGGACTGCTTCTTTGGAGTAAC 780

QY 802 AATAAAACCTTCGAAATGAAACGGGGTCTCCGGAGAAATTAATTTGTCATGAAATAACAA 861
DB 781 AATAAAACCTTCGAAATGAAACGGGGTCTCCGGAGAAATTAATTTGTCATGAAATAACAA 840
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QY 862 ACACCCATCAGTACTATGATATTTCTCTTCAGAGCTTTTCTAGCCCTGTTCCCTACAC 921
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QY 922 AATGCACTACATAGAGTTTGTCTCCCTGATGATGCTTCTTCAACAGGCTGATGT 981
DB 901 AATGCACTACATAGAGTTTGTCTCCCTGATGATGCTTCTTCAACAGGCTGATGT 960

QY 982 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG 1041
DB 961 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG 1020

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DB 1021 ACAAGCACAGGTCATCTCATAGACGCTCAACTTGCATGAAACCTCAAGCTTACATGA 1080

QY 1102 CGCCATAAATCTCTAGATGTTTGTCTGCTCTCTTAGAGGAAAAACAGATGATGCCA 1161
DB 1081 CGCCATAAATCTCTAGATGTTTGTCTGCTCTCTTAGAGGAAAAACAGATGATGCCA 1140

QY 1162 GGGTGACTCTGGAGGACCACTGGTTAGTTTCCAGATGCTAGAGATATCTGGTACCTTGTGG 1221
DB 1141 GGGTGACTCTGGAGGACCACTGGTTAGTTTCCAGATGCTAGAGATATCTGGTACCTTGTGG 1200

QY 1222 AATAGTGAGCTGGGAGATGAATGTGGAAAAACCAACCAAGCCTGGTGTATATCTAGAT 1281
DB 1201 AATAGTGAGCTGGGAGATGAATGTGGAAAAACCAACCAAGCCTGGTGTATATCTAGAT 1260

QY 1282 TACGGCCTTGGGAGCTGGATTAATCTCAAAACCTGGTATCTAAGAGAGAAAAAGCCTCATG 1341
DB 1261 TACGGCCTTGGGAGCTGGATTAATCTCAAAACCTGGTATCTAAGAGAGAAAAAGCCTCATG 1320

QY 1342 GAAACAGATAACATTTTTTTTTTTTTTTGGGTGTGGAGGCCAATTTTATAGATACAGAA 1401
DB 1321 GAAACAGATAACATTTTTTTTTTTTTTTGGGTGTGGAGGCCAATTTTATAGATACAGAA 1380

QY 1402 TGGAGAGAGCTTGCAGAAACAGCTAGATTTGATCTCATATAAATCTGTTTGTGATGC 1461
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QY 1462 A 1462
DB 1441 A 1441
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